

Union Pacific  
Resources  
A Subsidiary of Union Pacific Corporation

Date: 3-9-94  
Time: 9:40 CST

# FACSIMILE TRANSMISSION

To: Mike Hebertson  
Location: \_\_\_\_\_  
Fax #: \_\_\_\_\_

From: Cami M.  
Phone #: (817) 877-6530  
Fax #: (817) 877-7942

Number of Pages 11 + Cover Page

*Please deliver!*

*Mike,  
A hard copy is in the  
mail. Thanks!*

If you have problems with this facsimile, please notify us.

Thank you,  
Karen R. Lindsey  
(817) 877-7954



The information contained in this facsimile is privileged and confidential, and is intended only for the use of the individual named above and others who have been specifically authorized to receive such. If the recipient is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited.



**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

**via Federal Express**

March 8, 1994

Utah Department of Natural Resources  
Division of Oil, Gas, and Mining  
355 N. Temple - 3 Triad Center, Suite 350  
Salt Lake City, Utah 84180  
Attn: Mr. Mike Hebertson

RE: **Permit to Drill  
UPRR 17-2H  
Section 17-2N-7E  
Summit County, Utah**

Dear Mike,

Enclosed in duplicate is Union Pacific Resources' application for permit to drill the referenced well which we spoke about on March 7 via telephone.

If further information is needed, please contact the undersigned at (817) 877-6530.

Sincerely yours,

UNION PACIFIC RESOURCES COMPANY

*Cami Minzenmayer*

Cami Minzenmayer  
Regulatory Analyst

:CM

enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1. Type of Work  
 a. Type of Well  
 DRILL  DEEPEN  PLUG BACK   
 b. Type of Well  
 Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
 Union Pacific Resources Company

3. Address of Operator  
 P.O. Box 7, MS 3006 Ft. Worth, TX 76101-0007 817/877-6530

4. Location of Well (Report location clearly and in accordance with any State requirements)  
 At surface 663' FWL & 825' FSL of Sec. 17-2N-7E  
 At proposed prod. zone 660' FNL & 660' FEL of Sec. 17-2N-7E

5. Lease Designation and Serial No.  
 N/A

6. If Indian, Allottee or Tribe Name  
 N/A

7. Unit Agreement Name  
 N/A

8. Farm or Lease Name  
 UPRR

9. Well No.  
 17 - 2H

10. Field and Pool, or Wildcat  
 Elkhorn

11. 60, Sec., T., R., N., or B1A, and Survey or Area  
 Sec. 17-2N-7E

12. County or Parish  
 Summit

13. State  
 Utah

14. Distance in miles and direction from nearest town or post office?  
 N/A

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drg. line, if any)  
 660'

16. No. of acres in lease  
 640 acres

17. No. of acres assigned to this well  
 640 acres

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.  
 +/- 2500'

19. Proposed depth  
 16026' MD; 10719' TVD

20. Rotary or cable tools  
 Rotary

21. Elevations (Show whether DP, RT, GR, etc.)  
 6922' GR; 6942' KB

22. Approx. date work will start  
 Upon approval

**PROPOSED CASING AND CEMENTING PROGRAM**

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
16"			50'	to surface
9 3/4"	10 3/4"	45.5#	2000'	2150 cf 35:65 pos:G + 240 cf "G"
9 7/8"	7 5/8"	29.7#	8000'	1115 cf "G"
9 7/8"	7 3/4"	46.1#	10000'	1500 cf 35:65 pos:G + 200 cf "G"

\*\* See Attached

UNION PACIFIC RESOURCES COMPANY PROPOSES TO DRILL, TEST, AND ATTEMPT A HORIZONTAL COMPLETION IN THE RICH MEMBER OF THE TWIN CREEK FORMATION. YOU WILL FIND THE FOLLOWING INFORMATION ATTACHED FOR YOUR REVIEW & approval:-

- 1.) Drilling well Plan
- 2.) Geological tops
- 3.) BOP schematic
- 4.) Wellbore schematic
- 5.) Location plat
- 6.) Elevation & location schematics

IF ADDITIONAL INFORMATION IS NEEDED PLEASE CONTACT THE UNDERSIGNED AT 817/877-6530.

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 azimuthal locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed Cami Minzenmayer Title Regulatory Analyst Date 3-8-94

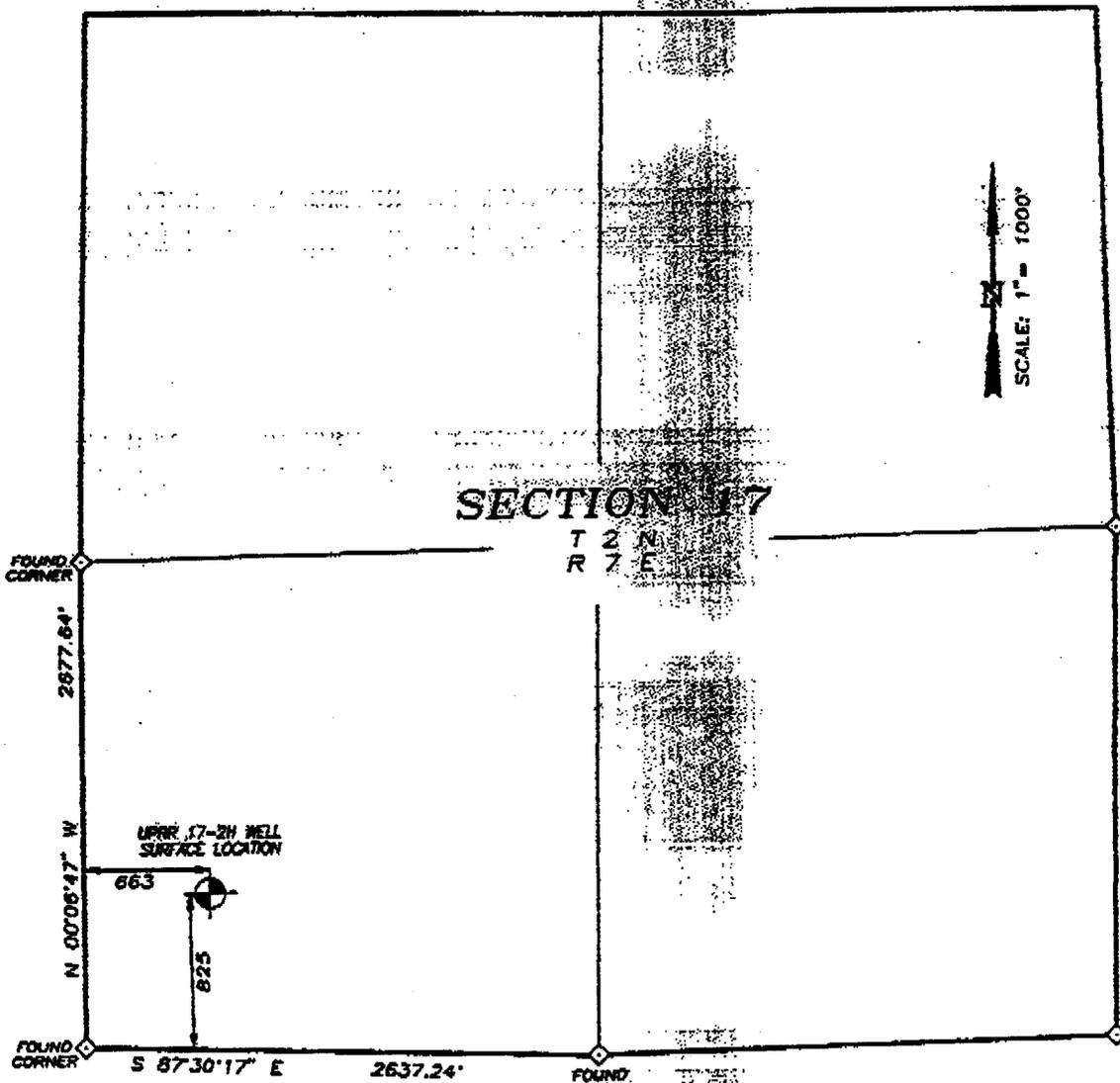
(This space for Federal or State office use)

API NO. \_\_\_\_\_ Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

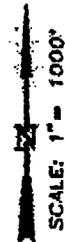
Conditions of approval, if any:

\*See Instructions On Reverse Side



SECTION 17

T 2 N  
R 7 E



LOCATION MAP

SURVEYED UNDER MY SUPERVISION  
IN FEBRUARY, 1994

JOHN A. PROFFIT  
Registered  
Land Surveyor  
STATE OF UTAH  
*John A. Proffit* 2/16/94

MAP TO ACCOMPANY  
APPLICATION FOR PERMIT TO DRILL  
U.P.R.R. 17-2H WELL  
825' FSL 663 FWL  
SW1/4 SECTION 17  
T 2 N, R 7 E, SLBM  
SUMMIT COUNTY, UTAH

UINTA ENGINEERING & SURVEYING, INC.  
808 MAIN STREET  
EVANSTON, WYOMING 82930  
(307) 789-3802

DATE: 02-16-94 JOB #: 94-28-05  
TASK #: 101 FILE #: 94-28-05  
BOOK #: 618  
DRAWN BY: Grant Sanders

DRILLING WELL PLAN

Well Name: UPRR 17-2H  
County/State: SUMMIT COUNTY, UTAH  
Proposed Depth: 16026 'MD/ 10719 'TVD  
Location:  
    Surface: 663' FWL & 825' FSL of Section 17-T2N-R7E  
    Bottomhole: 660' FEL & 660' ENL of Section 17-T2N-R7E  
  
Elevation: 6,922' Ground Level  
          6,942' KB  
  
Productive Formation: RICH

SUMMARY

The UPRR 17-2H is proposed as a directional well to be drilled to the Rich at a depth of 16026'MD/10719'TVD. Horizontal displacement is 5482'; wellbore direction N-46°-E.

PROPOSED DIRECTIONAL PROGRAM

Drill a 14-3/4" surface hole to 2000'. Run 10-3/4" casing and cement to surface. Drill a 9-7/8" vertical hole to 7-5/8" casing point at 10099'. Establish bottomhole location with a multishot directional survey. Run and cement casing. Drill 6-1/2" hole to KOP at 10310'. Build angle at 14°/100' to 90° and intercept Rich target at 10719'TVD; continue drilling horizontally to Total Depth. Hole direction will be N-46°-E. Directional surveys will be taken every 30' in the build section and at intervals no greater than 180' in the directional tangent section.

BOP PROGRAM

The Utah Division of Oil, Gas, Mining will be notified at least 24 hours prior to testing BOP's. BOP's will be tested by an outside testing company and their report will be submitted to the Commission. Reference BOP Diagram attached.

Casing Program

<u>Size</u>	<u>Depth</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>
16"	0 - 50'	-----	B	-----
10-3/4"	0 - 2000'	45.5#	K-55	STC
7-5/8"	0 - 8000'	29.7#	S-95	LTC
7-3/4"	8000' - 10099'	46.1#	S-125	LTC

Mud Program

<u>Interval (MD)</u>	<u>Mud Wt. (PPG)</u>	<u>Viscosity</u>	<u>Wtr Loss (cc)</u>	<u>Remarks</u>
0' - 2000'	8.4- 8.8	40-45	NC	Fresh water mud
2000' - 9000'	8.5- 9.2	35-45	NC	Fresh water mud
9000' - 10099'	9.2-11.0	35-45	NC - 10	Salt saturated gel mud
10099' - 16026'	8.4- 9.0	-	NC	Low density brine

Cement Program

<u>Hole Size</u>	<u>Pipe Depth</u>	<u>Volume</u>	<u>Fill</u>	<u>Remarks</u>	
14-3/4"	2000'	2150 cf	1800'	35:65 Pos:G+6% Gel @ 12.7#	
		240 cf	200'	Tail w/ G @ 15.8#	
9-7/8"	10099'	1115 cf	3399'	Class G + 24% Salt @ 16.2#	
		DV Tool @ 6700'	1500 cf	4700'	35:65 Pos:G+6@ Gel @ 12.7#
			200 cf	500'	Tail w/ G @ 15.8 #

Note: 7-5/8"/7-3/4" casing will be cemented with 100% open hole coverage.

Formation Tops

	<u>KB</u>	<u>Subsea</u>		<u>KB</u>	<u>Subsea</u>
Kelvin	2372'	+ 4570'	Giraffe Creek	9682'	- 2740'
Stump	6402'	+ 540'	Leeds Creek	10079'	- 3137'
Pruess	7039'	- 97'	Watton Canyon	10472'	- 3530'
Salt	9042'	- 2100'	Boundry Ridge	10665'	- 3723'
Base Salt	9541'	- 2599'	Rich	10704'	- 4017'

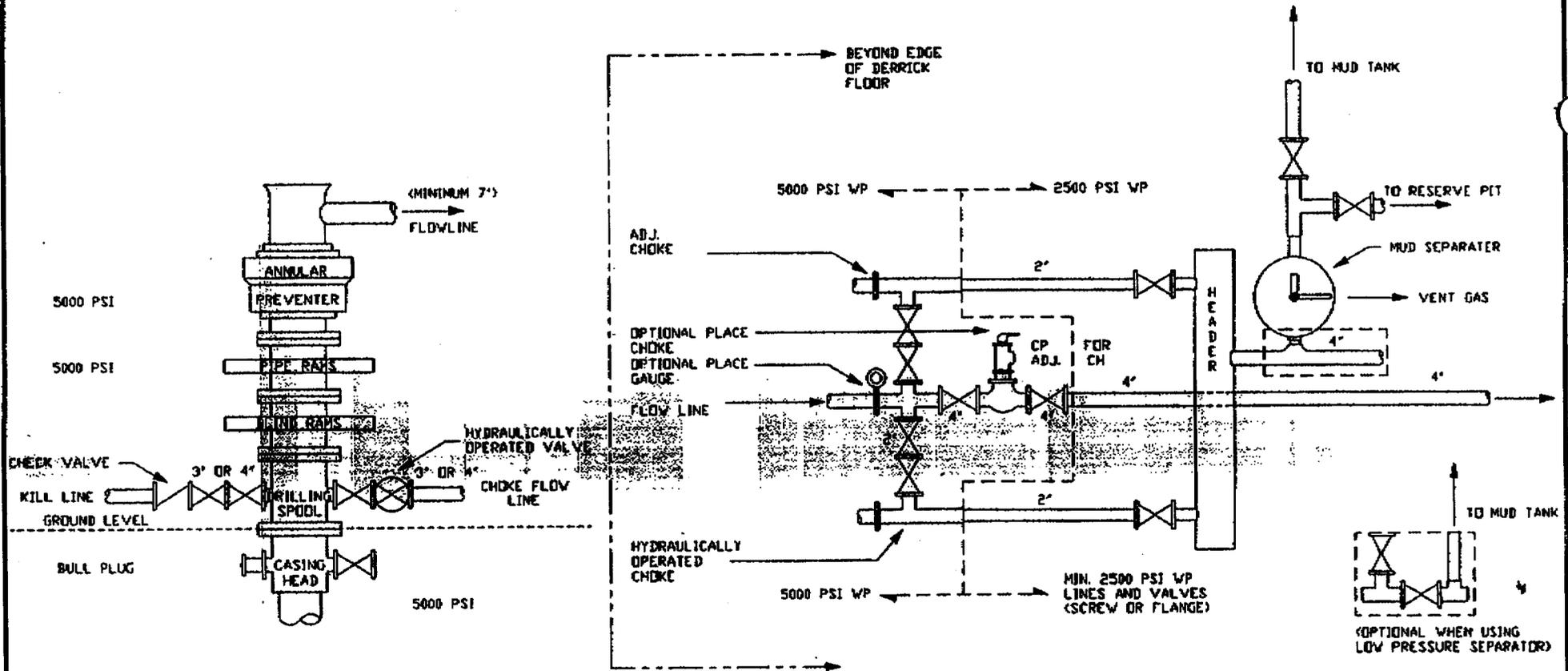


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Resources

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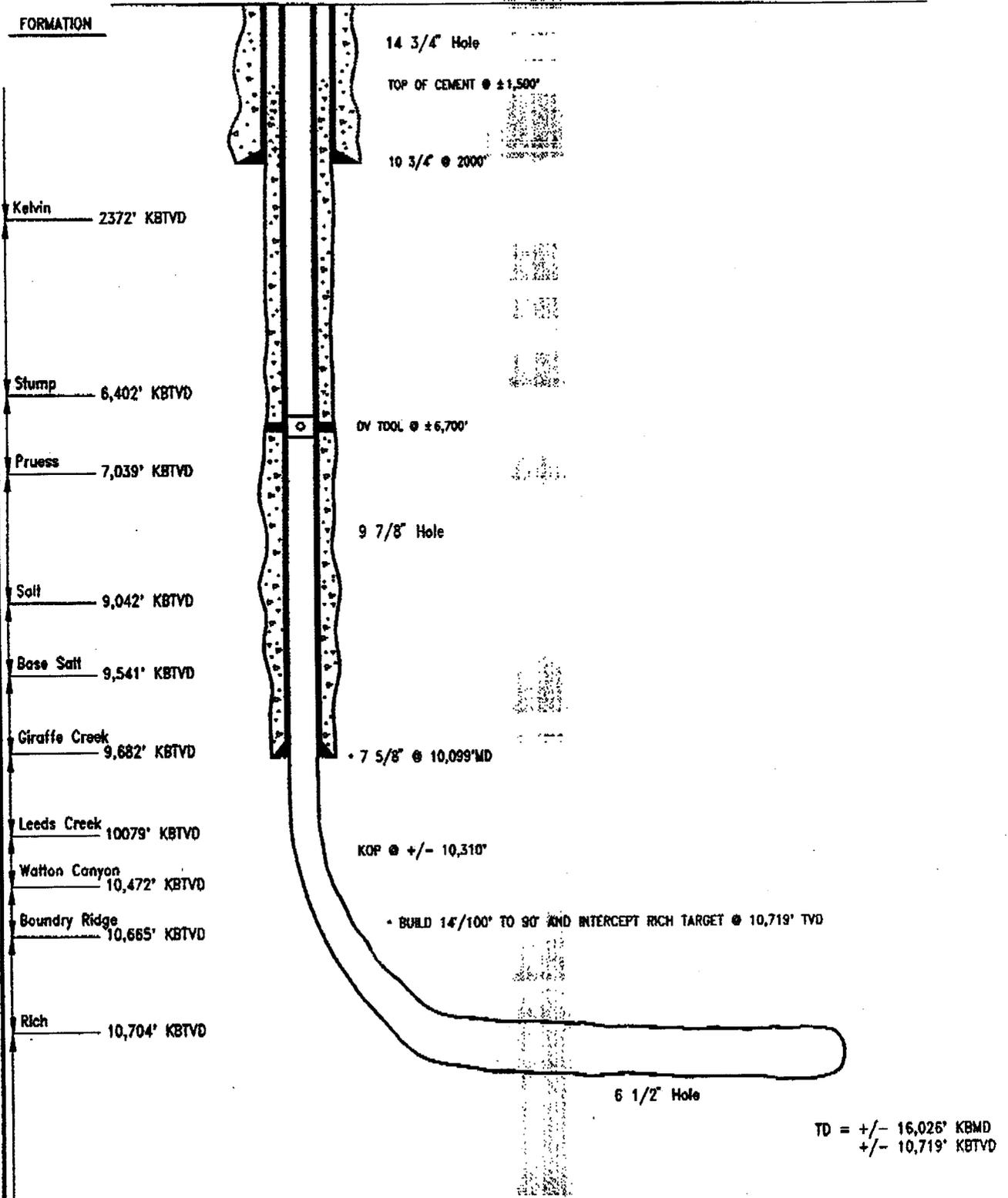
# DRAWING NUMBER 7

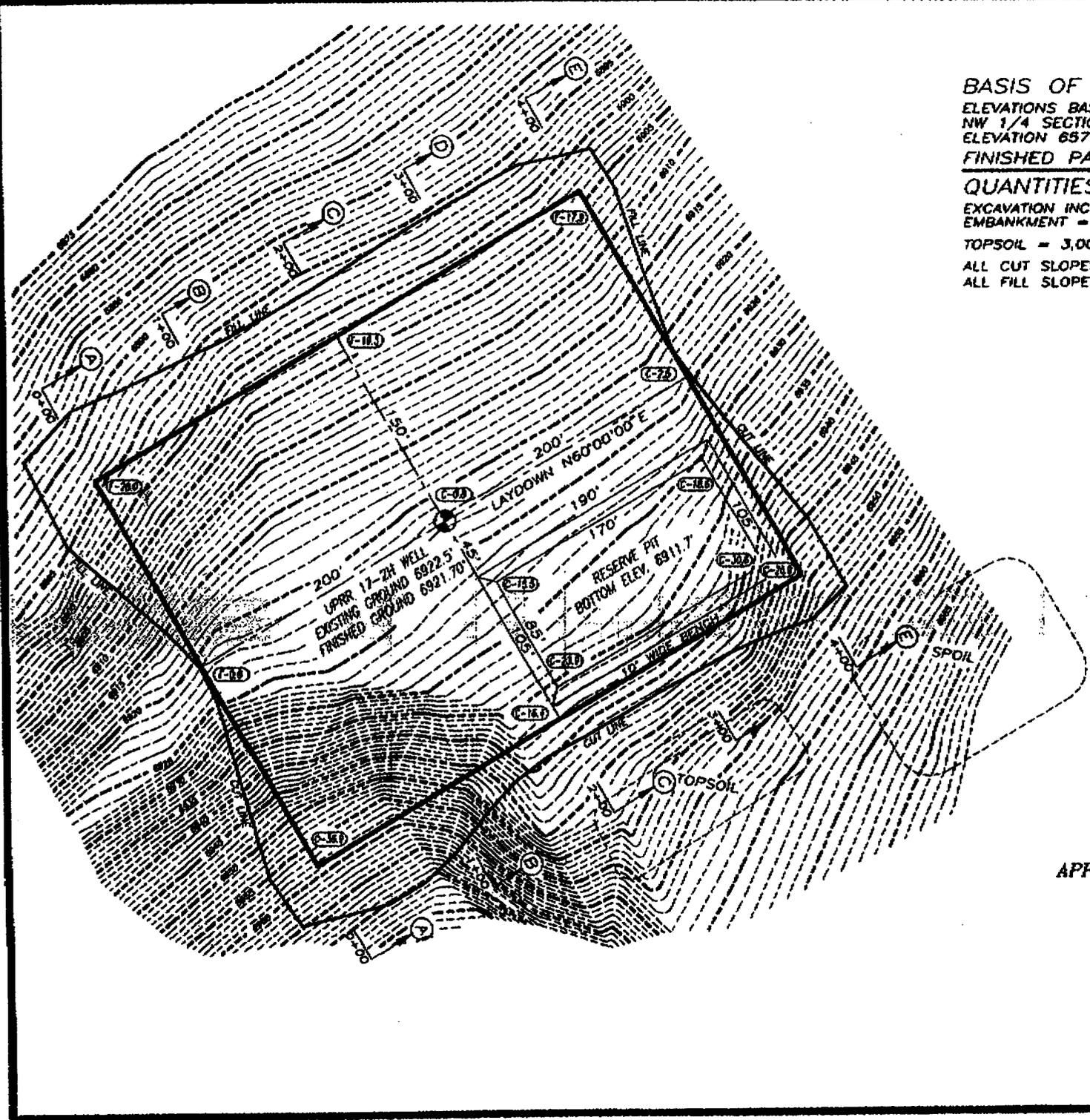
## 5000 # WORKING PRESSURE



- AFE# ?
- SUMMIT CO., UTAH
- RICH
- 16,026' MD / 10,719' TVD

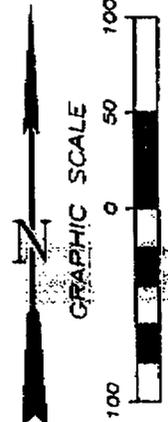
- S.L.: 663' FWL & 825' FSL SEC. 17 - T2N - R7E
- BHL: 660' FEL & 660' FNL SEC. 17 - T2N - R7E
- GROUND LEVEL ELEVATION = 6,922'





**BASIS OF ELEVATION:**  
 ELEVATIONS BASED ON U.S.G.S. B.M.  
 NW 1/4 SECTION 3, T2N, R7E  
 ELEVATION 6579.00'  
**FINISHED PAD ELEVATION TO BE 6921.70'**

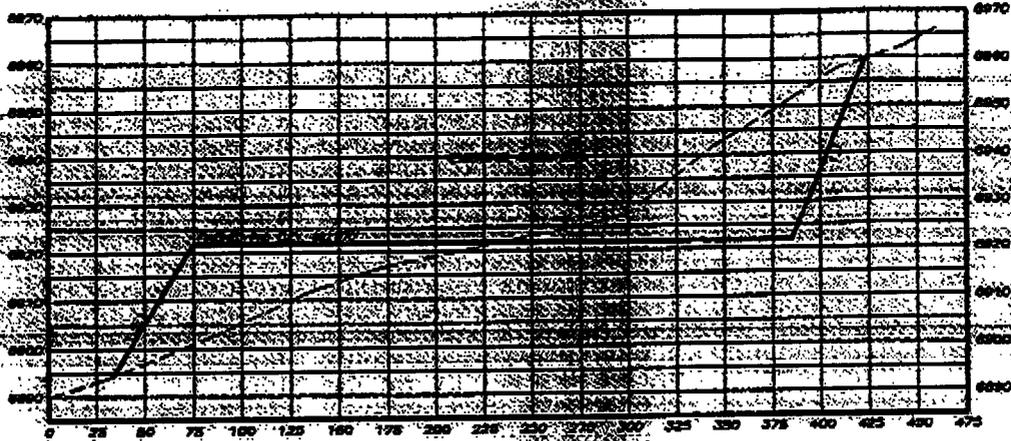
**QUANTITIES**  
 EXCAVATION INCLUDING PIT = 37,438 C.Y.  
 EMBANKMENT = 30,729 C.Y.  
 TOPSOIL = 3,003 C.Y.  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1



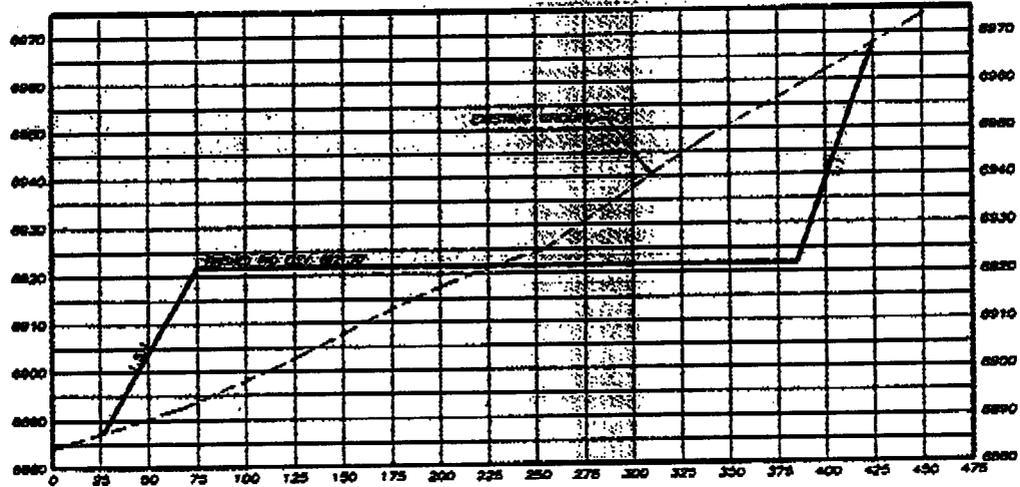
**MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 683 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, S18M  
 SUMMIT COUNTY, UTAH**

UNTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602  
 DATE: 03-14-94 JOB #: 94-28-05  
 DSX #: 101 FILE: 94-28-05  
 BOOK #: 818  
 DRAWN BY: Brent Sanders

### SECTION B - B



### SECTION A - A



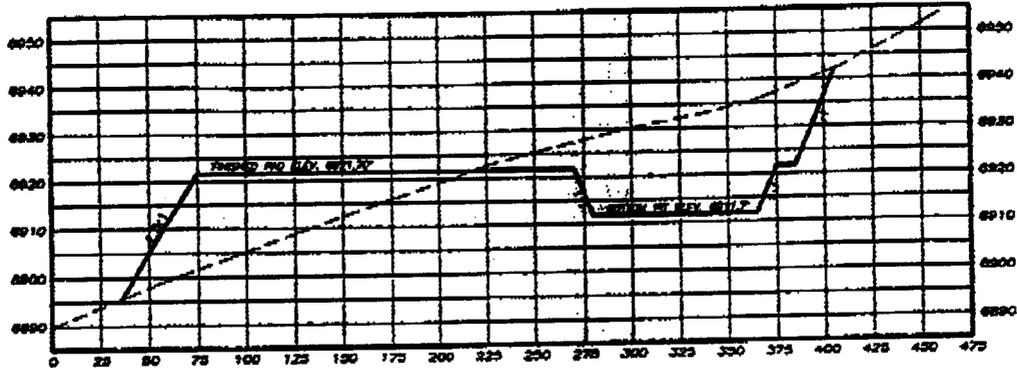
SCALE:  
 HORIZ: 1" = 100'  
 VERT: 1" = 40'  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1

MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH

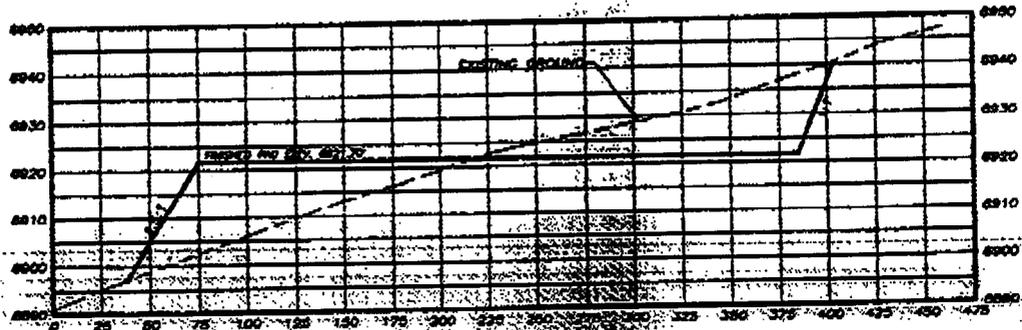
UNTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

DATE: 02-14-04 JOB #: 04-26-03  
 DESK #: 101 FILE: 04-26-03  
 BOOK #: 018

### SECTION D - D



### SECTION C - C



SCALE:  
 HORIZ: 1" = 100'  
 VERT: 1" = 40'  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1

MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH

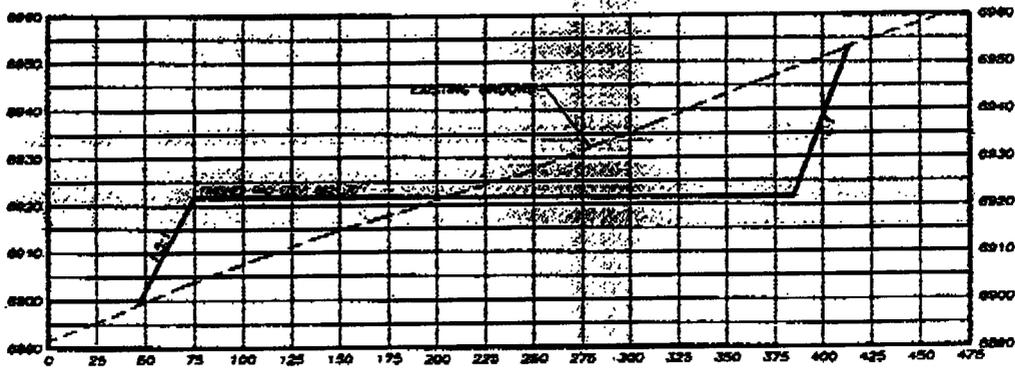
UNTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

DATE: 02-16-04 JOB #: 94-20-05  
 DSK #: 101 FILE: 04-20-05

BOOK #: 618  
 DRAWN BY: Brent Sanders

SHEET 4 OF 5

SECTION E = E



SCALE:  
 HORIZ: 1" = 100'  
 VERT: 1" = 40'  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1

MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH

UNTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

DATE: 02-14-84 JOB #: 84-26-25  
 DRAWN BY: David Sanders FILE: 84-26-05  
 BOOK #: 818

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/09/94

API NO. ASSIGNED: 43-043-30304

WELL NAME: UPRR 17-2H  
OPERATOR: UNION PACIFIC RESOURCES (N9465)

PROPOSED LOCATION:  
SWSW 17 - T02N - R07E  
SURFACE: 0825-FSL-0663-FWL  
BOTTOM: 0660-FNL-0660-FEL  
SUMMIT COUNTY  
UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering	JAM	3/21/94
Geology	RJ	3/18/94
Surface	JA	3/16/94

✓ LEASE TYPE: FEE  
LEASE NUMBER:

RECEIVED AND/OR REVIEWED:

Y Plat UT. 5718665 Dec. 95  
Y Bond: Federal[] State[] Fee[]  
 (Number 2447222 066.95)  
N Potash (Y/N)  
N Oil shale (Y/N)  
 Water permit  
 (Number \_\_\_\_\_)  
N RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
 R649-3-2. General.  
 \_\_\_ R649-3-3. Exception.  
 \_\_\_ Drilling Unit.  
 \_\_\_ Board Cause no: \_\_\_\_\_  
 \_\_\_ Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \* Onsite stipulations \*

1. Bonding stipulation
2. Surface use agreement stipulation
- 3- Onsite stipulations -

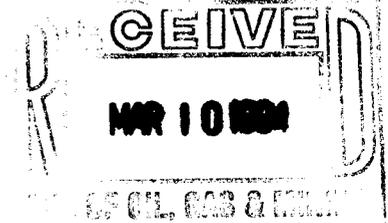


**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

via Federal Express

March 8, 1994



Utah Department of Natural Resources  
Division of Oil, Gas, and Mining  
355 N. Temple - 3 Triad Center, Suite 350  
Salt Lake City, Utah 84180  
Attn: Mr. Mike Hebertson

**RE: Permit to Drill  
UPRR 17-2H  
Section 17-2N-7E  
Summit County, Utah**

Dear Mike,

Enclosed in duplicate is Union Pacific Resources' application for permit to drill the referenced well which we spoke about on March 7 via telephone.

If further information is needed, please contact the undersigned at (817) 877-6530.

Sincerely yours,

UNION PACIFIC RESOURCES COMPANY

*Cami Minzenmayer*  
Cami Minzenmayer  
Regulatory Analyst

:CM

enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

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  
 Union Pacific Resources Company

3. Address of Operator  
 P.O. Box 7, MS 3006 Ft. Worth, TX 76101-0007 817/877-6530

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
 At surface 663' FWL & 825' FSL of Sec. 17-2N-7E  
 At proposed prod. zone 660' FNL & 660' FEL of Sec. 17-2N-7E

14. Distance in miles and direction from nearest town or post office?  
 N/A

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. line, if any) 660'  
 16. No. of acres in lease 640 acres

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft. +/- 2500'  
 19. Proposed depth 16026' MD; 10999' TD

21. Elevations (Show whether DF, RT, GR, etc.)  
 6922' GR; 6942' KB

6. Lease Designation and Serial No.  
 N/A  
 6. If Indian, Allottee or Tribe Name  
 N/A  
 7. Unit Agreement Name  
 N/A  
 8. Farm or Lease Name  
 UPRR  
 9. Well No.  
 17 - 2H  
 10. Field and Pool, or Wildcat  
 Elkhorn  
 11. Co., Sec., T., R., M., or B.L. and Survey or Area  
 Sec. 17-2N-7E  
 12. County or Parrish  
 Summit  
 13. State  
 Utah

CONFIDENTIAL

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
	16"	--	50'	to surface
14 3/4"	10 3/4"	45.5#	2000'	2150 cf 35:65 pos:G + 240 cf "G"
9 7/8"	7 5/8"	29.7#	8000'	1115 cf "G"
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\*\* See Attached

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YOU WILL FIND THE FOLLOWING INFORMATION ATTACHED FOR YOUR REVIEW & approval:

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- 2.) Geological tops
- 3.) BOP schematic
- 4.) Wellbore schematic
- 5.) Location plat
- 6.) Elevation & location schematics

RECEIVED  
 MAR 10 1994  
 DIVISION OF OIL, GAS & MINING

IF ADDITIONAL INFORMATION IS NEEDED PLEASE CONTACT THE UNDERSIGNED AT 817/877-6530.

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. I hereby certify that this report is true and complete to the best of my knowledge.

Signed Cami Minzenmayer Title Regulatory Analyst Date 3-8-94

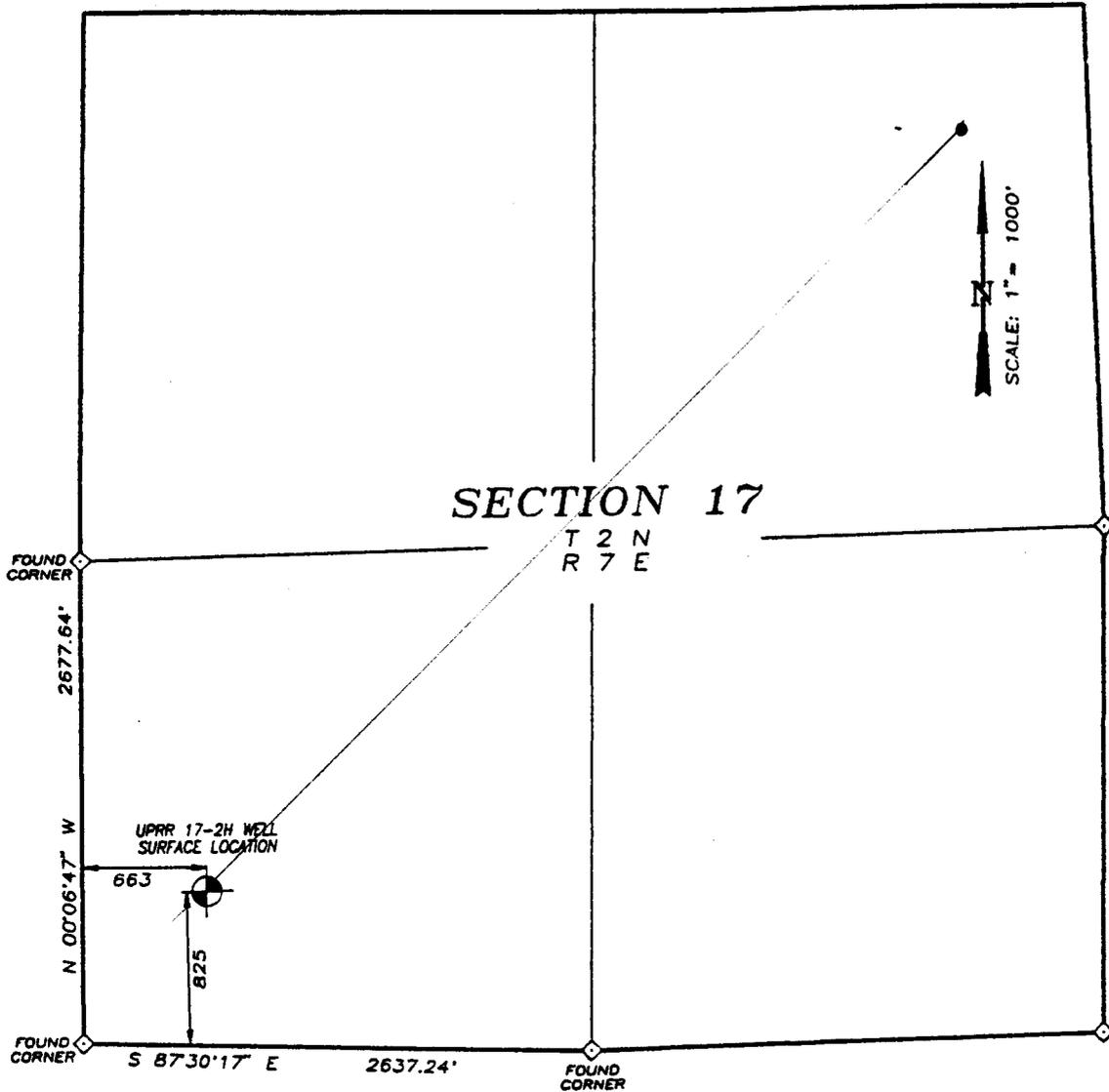
(This space for Federal or State office use)

API NO. 43-043-30304 Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
 Conditions of approval, if any: \_\_\_\_\_

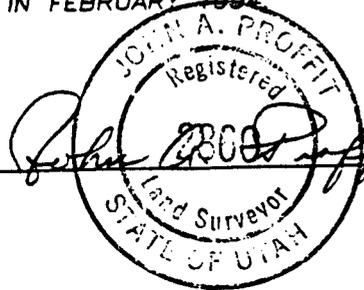
APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING  
 DATE: 3-26-94  
 BY: [Signature]  
 WELL SPACING: 2649-32

\*See Instructions On Reverse Side



LOCATION MAP

SURVEYED UNDER MY SUPERVISION  
IN FEBRUARY 1994



MAP TO ACCOMPANY  
APPLICATION FOR PERMIT TO DRILL  
U.P.R.R. 17-2H WELL  
825' FSL 663 FWL  
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T 2 N, R 7 E, SLBM  
SUMMIT COUNTY, UTAH

UINTA ENGINEERING & SURVEYING, INC.  
808 MAIN STREET  
EVANSTON, WYOMING 82930  
(307) 789-3602

DATE: 02-14-94 JOB #: 94-28-05  
DISK #: 101 FILE: 94-38-05

BOOK #: 618  
DRAWN BY: Brent Sanders

DRILLING WELL PLAN

Well Name: UPRR 17-2H  
County/State: SUMMIT COUNTY, UTAH  
Proposed Depth: 16026 'MD/ 10719 'TVD  
Location:  
    Surface: 663' FWL & 825' FSL of Section 17-T2N-R7E  
    Bottomhole: 660' FEL & 660' FNL of Section 17-T2N-R7E  
  
Elevation: 6,922' Ground Level  
          6,942' KB  
  
Productive Formation: RICH

SUMMARY

The UPRR 17-2H is proposed as a directional well to be drilled to the Rich at a depth of 16026'MD/10719'TVD. Horizontal displacement is 5482'; wellbore direction N-46°-E.

PROPOSED DIRECTIONAL PROGRAM

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2000' - 9000'	8.5- 9.2	35-45	NC	Fresh water mud
9000' - 10099'	9.2-11.0	35-45	NC - 10	Salt saturated gel mud
10099' - 16026'	8.4- 9.0	-	NC	Low density brine

Cement Program

<u>Hole Size</u>	<u>Pipe Depth</u>	<u>Volume</u>	<u>Fill</u>	<u>Remarks</u>	
14-3/4"	2000'	2150 cf	1800'	35:65 Pos:G+6% Gel @ 12.7#	
		240 cf	200'	Tail w/ G @ 15.8#	
9-7/8"	10099'	1115 cf	3399'	Class G + 24% Salt @ 16.2#	
		DV Tool @ 6700'	1500 cf	4700'	35:65 Pos:G+6@ Gel @ 12.7#
		200 cf	500'	Tail w/ G @ 15.8 #	

Note: 7-5/8"/7-3/4" casing will be cemented with 100% open hole coverage.

Formation Tops

	<u>KB</u>	<u>Subsea</u>		<u>KB</u>	<u>Subsea</u>
Kelvin	2372'	+ 4570'	Giraffe Creek	9682'	- 2740'
Stump	6402'	+ 540'	Leeds Creek	10079'	- 3137'
Pruess	7039'	- 97'	Watton Canyon	10472'	- 3530'
Salt	9042'	- 2100'	Boundry Ridge	10665'	- 3723'
Base Salt	9541'	- 2599'	Rich	10704'	- 4017'

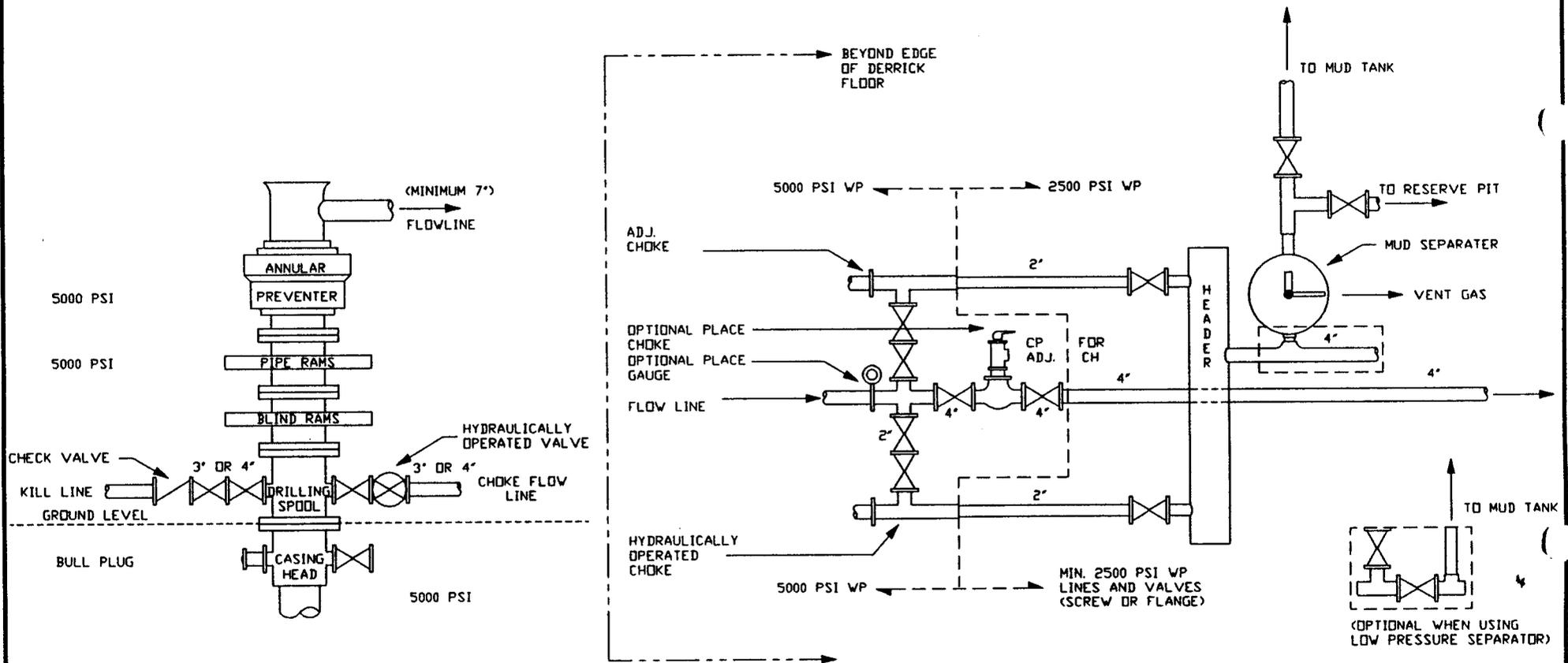


Union Pacific  
Resources

A Subsidiary of Union Pacific Corporation

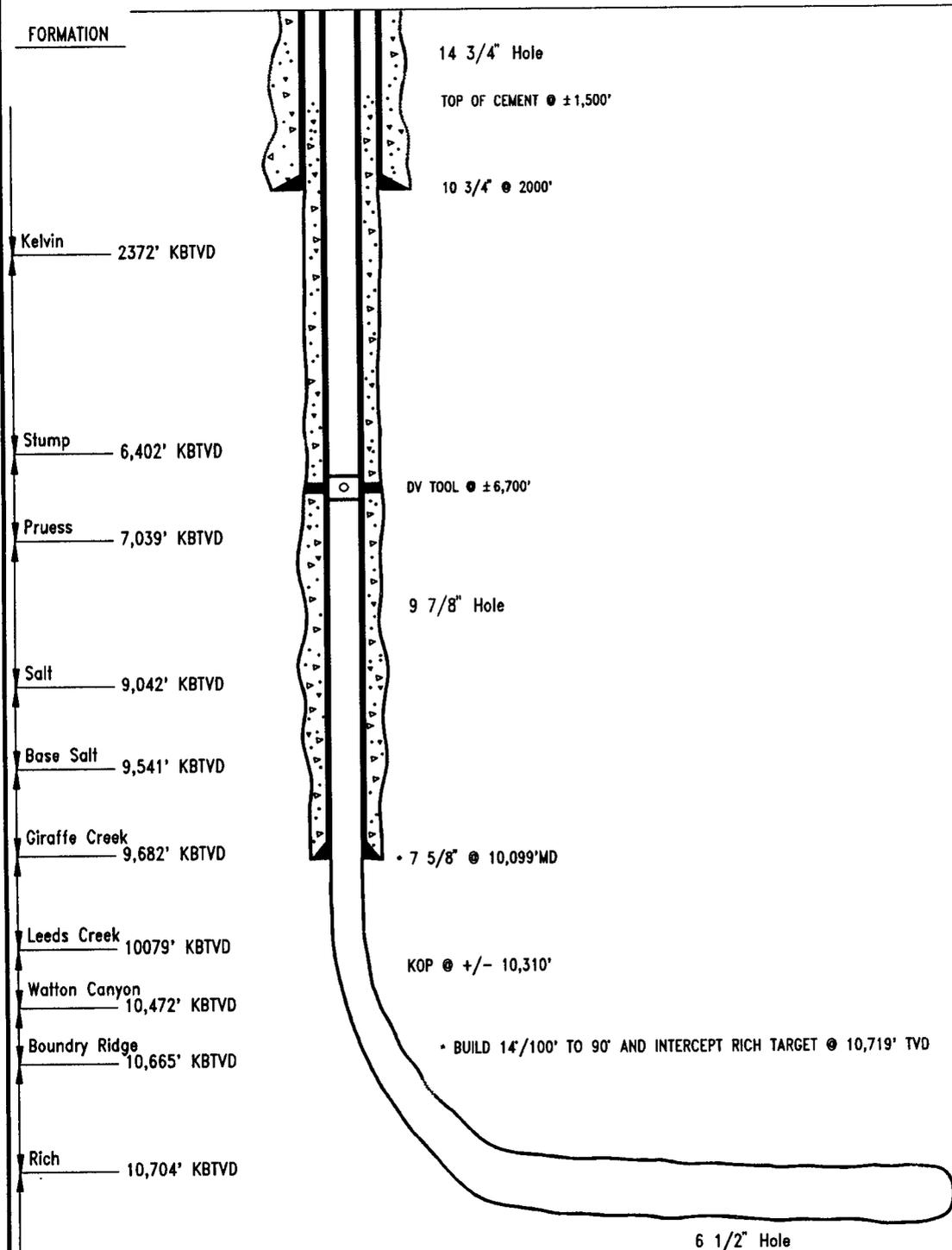
# DRAWING NUMBER 7

## 5000 # WORKING PRESSURE

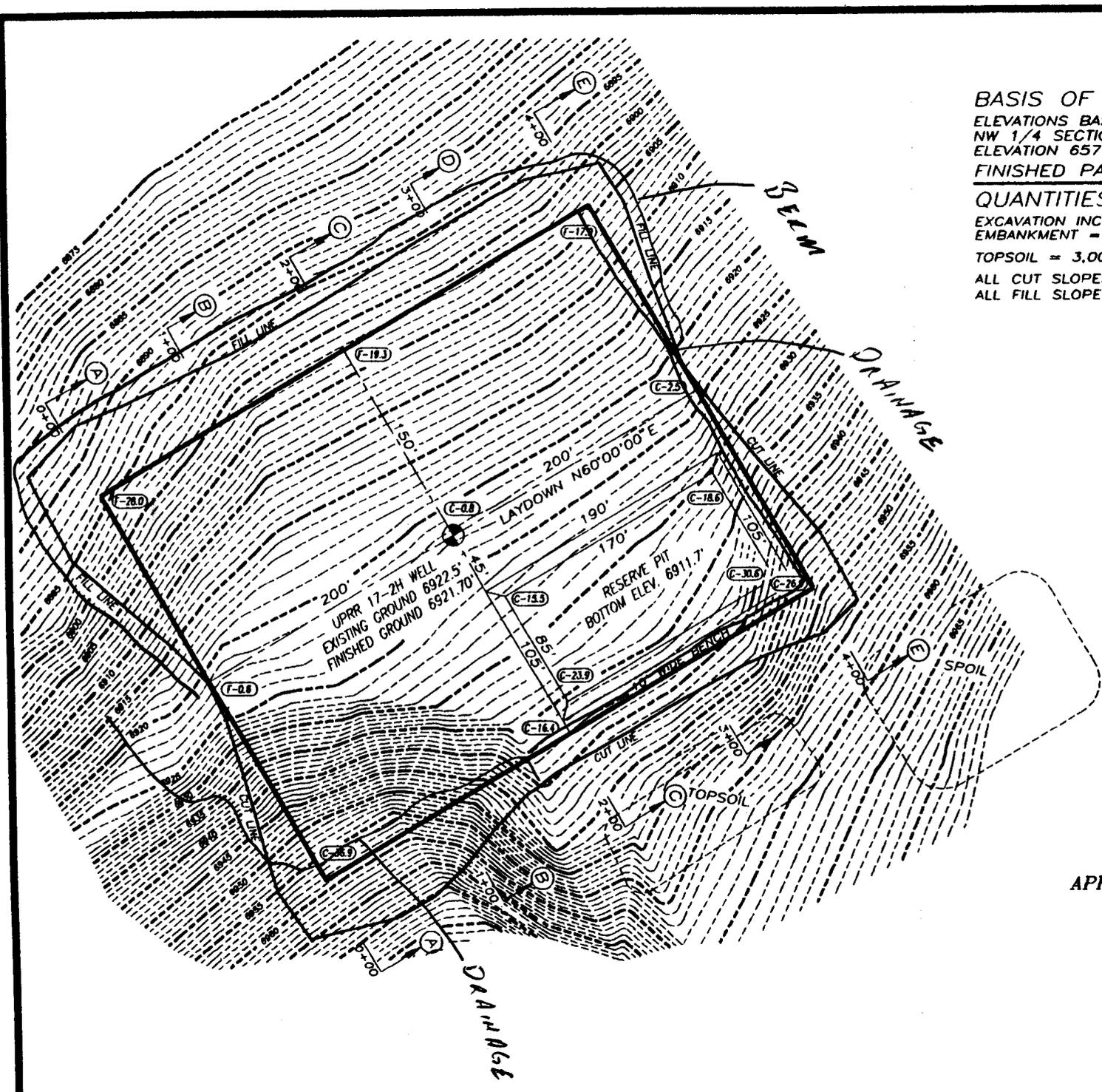


- AFE# ?
- SUMMIT CO., UTAH
- RICH
- 16,026' MD / 10,719' TVD

- S.L.: 663' FWL & 825' FSL SEC. 17 - T2N - R7E
- BHL: 660' FEL & 660' FNL SEC. 17 - T2N - R7E
- GROUND LEVEL ELEVATION = 6,922'

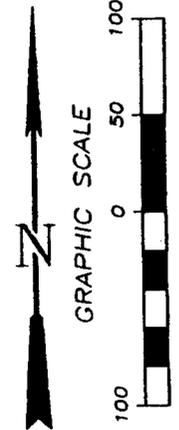


TD = +/- 16,026' KBMD  
+/- 10,719' KBTVD



**BASIS OF ELEVATION:**  
 ELEVATIONS BASED ON U.S.G.S. B.M.  
 NW 1/4 SECTION 3, T2N, R7E  
 ELEVATION 6579.00'  
**FINISHED PAD ELEVATION TO BE 6921.70'**

**QUANTITIES**  
 EXCAVATION INCLUDING PIT = 37,438 C.Y.  
 EMBANKMENT = 30,729 C.Y.  
 TOPSOIL = 3,003 C.Y.  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1



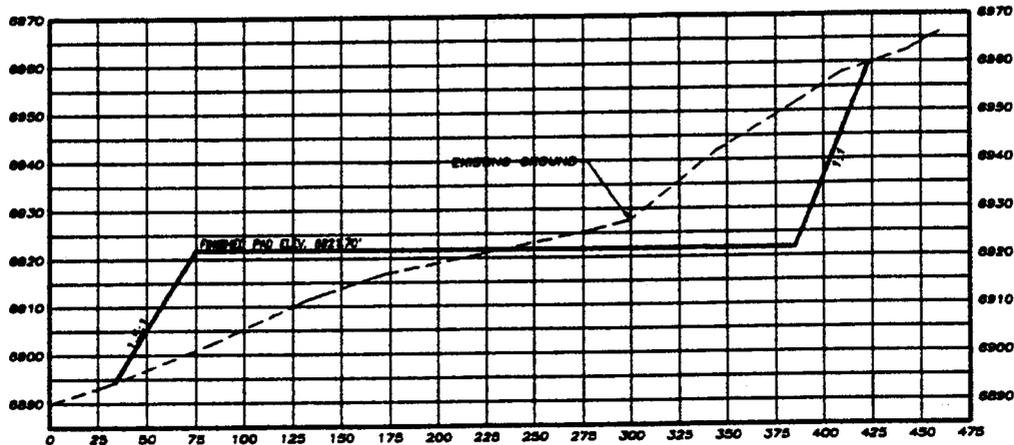
**MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH**

UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

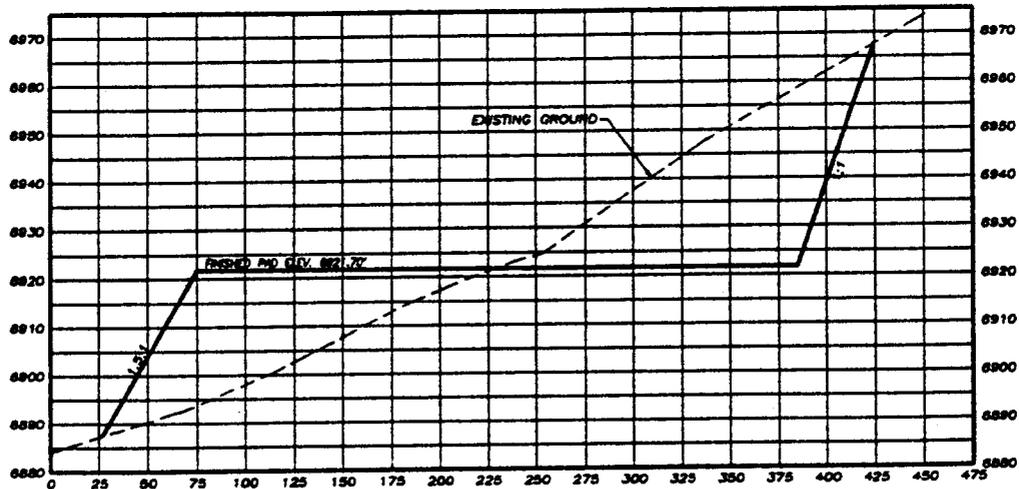
DATE: 02-14-94 JOB #: 94-26-05  
 DSX #: 101 FILE: 94-26-05

BOOK #: 818  
 DRAWN BY: Brent Sanders SHEET 2 OF 5

### SECTION B - B



### SECTION A - A



SCALE:  
 HORIZ: 1" = 100'  
 VERT: 1" = 40'

ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1

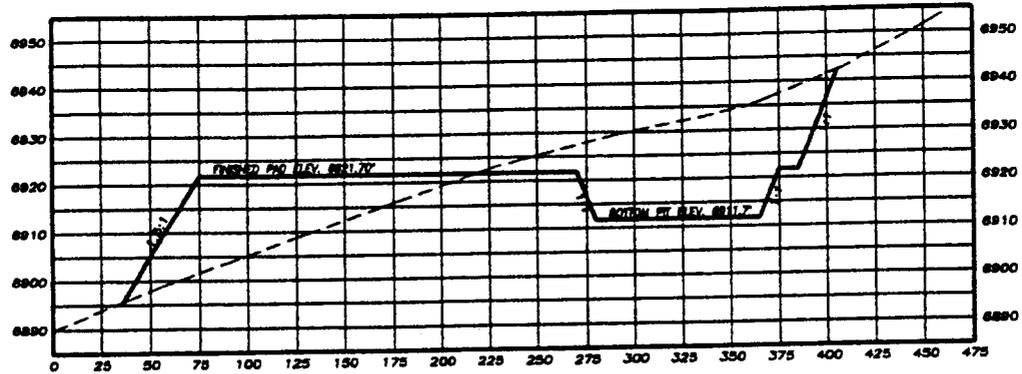
MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH

UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

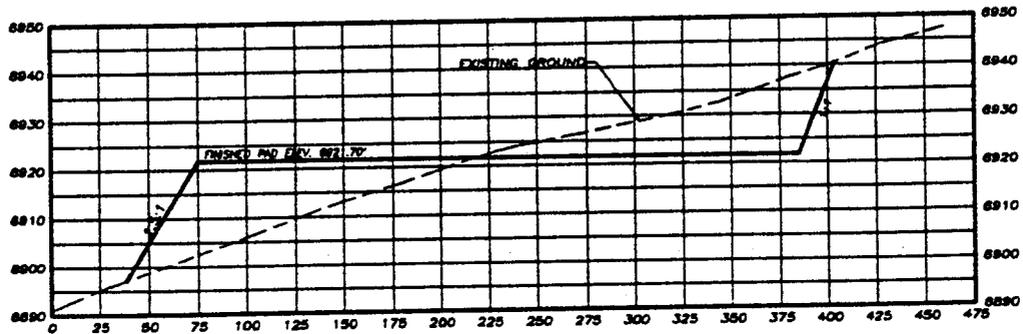
DATE: 02-14-84 JOB #: 84-28-05  
 DISK #: 101 FILE: 84-28-05

BOOK #: 818  
 DRAWN BY: Brent Sanders

### SECTION D - D



### SECTION C - C



**SCALE:**

HORIZ: 1" = 100'  
 VERT: 1" = 40'

ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1

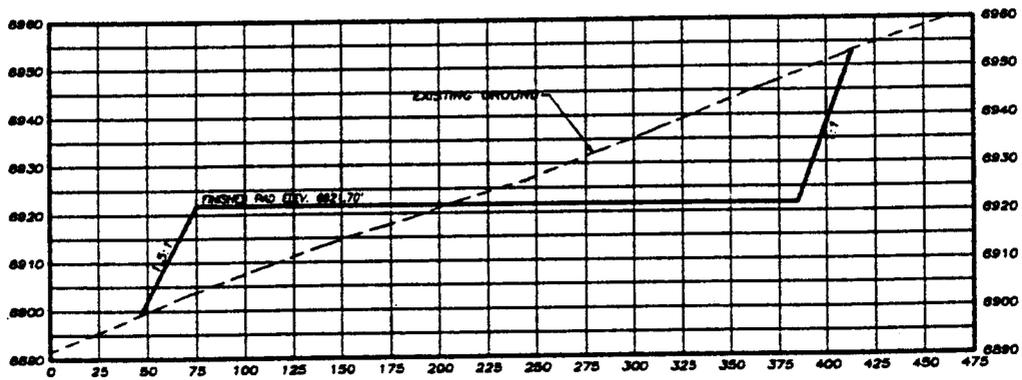
**MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH**

UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

DATE: 02-14-84 JOB #: 94-29-05  
 DESK #: 101 FILE: 94-29-05

BOOK #: 818  
 DRAWN BY: Brent Sanders

## SECTION E - E



SCALE:  
 HORIZ: 1" = 100'  
 VERT: 1" = 40'  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1

**MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH**

UNTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

DATE: 02-14-84 JOB #: 84-28-05  
 DISK #: 101 FILE: 84-28-05

BOOK #: 818  
 DRAWN BY: Brent Sanders



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

March 22, 1994

Union Pacific Resources Company  
P.O. Box 7, MS 3006  
Fort Worth, Texas 76101-0007

Re: UPRR 17-2H Well, 660' FNL, 660' FEL, SW SW, Sec. 17, T. 2 N., R. 7 E.,  
Summit County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Union Pacific Resources Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
2. Pursuant to Utah Admin. R. 649-3-34 Well Site Restoration, an operator shall make a reasonable effort to establish a surface use agreement with the owner of the fee or private land included in the wellsite prior to the commencement of drilling a new well, reentering an abandoned well or assuming operatorship of an existing well. Accordingly, Union Pacific Resources Company shall submit an affidavit to the Division stating whether an appropriate surface use agreement has been established with and approved by the surface landowner of the wellsite.
3. Drainage should be diverted around the southwest edge of the location and a culvert installed to divert the runoff under the access road.



4. The reserve pit should be padded or smoothed so that a synthetic liner of 12 mil thickness will not puncture.
5. A ditch should be constructed on the south and east sides of the location to divert runoff from the location into the brush on the northeast corner.
6. A berm to catch sediment should be constructed around the base of the location on all fill sides.
7. Ground netting should be placed on all fill slopes of the location to provide erosion control.
8. Culverts should be installed and drainage ditches constructed as necessary to provide for runoff diversion away from the access road.
9. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
10. Notification to the Division within 24 hours after drilling operations commence.
11. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
12. Submittal of the Report of Water Encountered During Drilling, Form 7.
13. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.
14. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Page 3  
Union Pacific Resources Company  
UPRR 17-2H Well  
March 22, 1994

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-043-30304.

Sincerely,

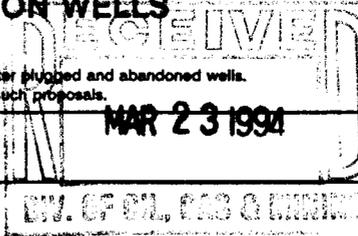
A handwritten signature in black ink, appearing to read "R.J. Firth", written in a cursive style.

R.J. Firth  
Associate Director

ldc  
Enclosures  
cc: Summit County Assessor  
Bureau of Land Management, Vernal District Office  
WO11

**SUNDRY NOTICES AND REPORTS ON WELLS**

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



1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		5. Lease Designation and Serial Number: UT-PA0001
2. Name of Operator: Union Pacific Resources Company		6. If Indian, Allottee or Tribe Name: NA
3. Address and Telephone Number: P.O. Box 7 MS 3006, Fort Worth, TX 76101-0007 817-877-6530		7. Unit Agreement Name: NA
4. Location of Well SL: 663' FWL & 825' FSL of Sec. 17-2N-7E Footages: BHL: 660' FEL & 660' FNL of Sec. 17-2N-7E QQ, Sec.,T.,R.,M.: Section 17-2N-7E		8. Well Name and Number: UPRR 17-2H
		9. API Well Number: Not Assigned
		10. Field and Pool, or Wildcat: Elkhorn
		County: Summit State: Utah

43-013-30304

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <u>Confidential Status</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

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

Please consider all submittals for the above-mentioned well "CONFIDENTIAL".

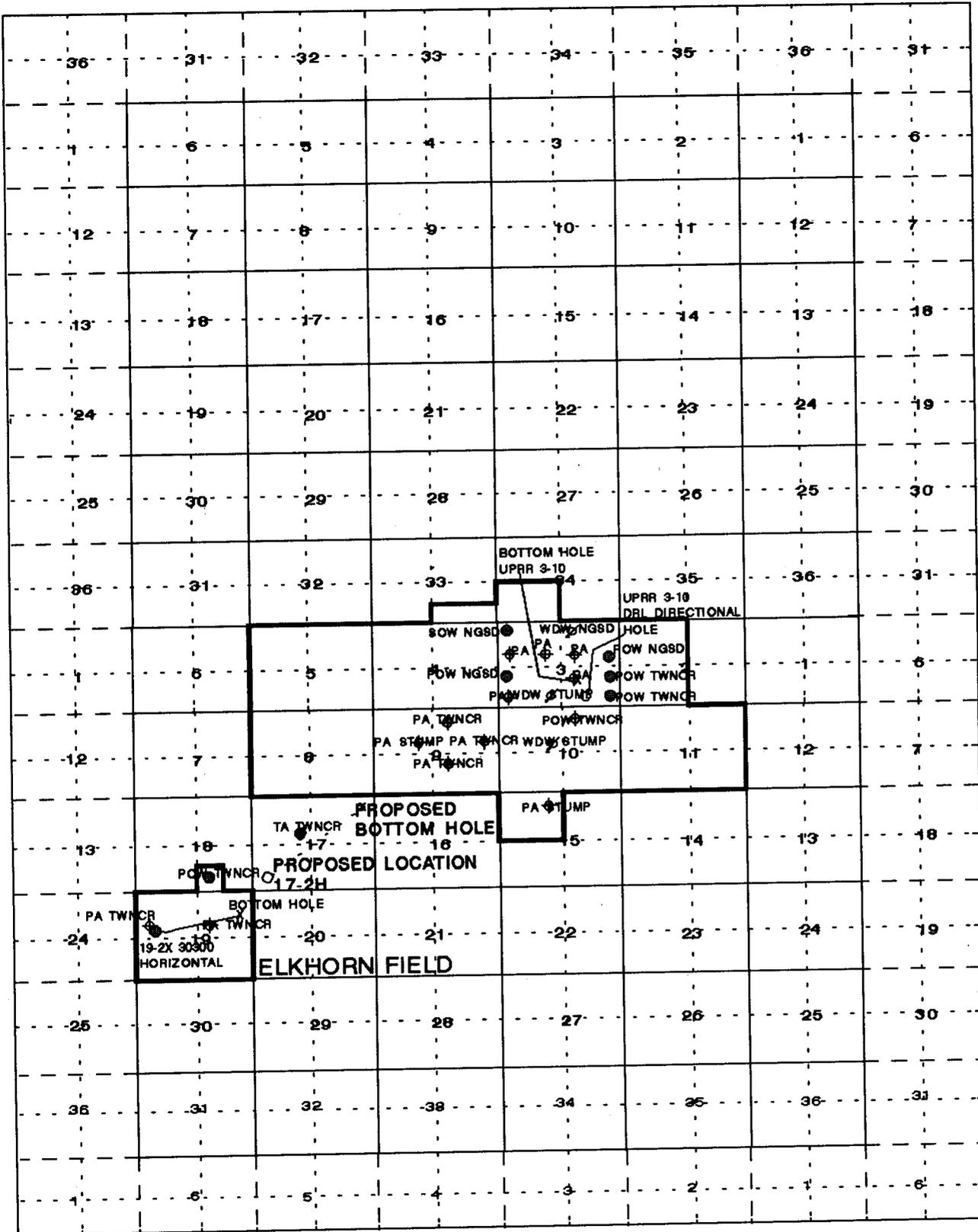
If further information is needed, please contact the undersigned at 817-877-6530.

**CONFIDENTIAL**

13. Name & Signature: Cami Minzenmayer Title: Regulatory Analyst Date: 03-22-94

(This space for State use only)

# PINEVIEW



T 3 N

T 2 N

R 7 E

SUMMIT COUNTY

**DRILLING LOCATION ASSESSMENT**  
**State of Utah**  
**Division of Oil, Gas and Mining**

OPERATOR: UNION PACIFIC RESOURCES CORP. WELL NAME: UPRR 17-2H  
SEC:17 TWP:2 N RNG:7 E SUR.LOC: 825 FSL 663 FWL QTR/QTR SW SW  
BOTTOM HOLE LOCATION: 660 FEL 660 FNL SEC: 17 QTR/QTR: NE NE  
COUNTY: SUMMIT FIELD: UNDESIGNATED SURFACE OWNER: FEE  
SURFACE AGREEMENT: FEE LAND OWNER  
SPACING: 40 ACRES STATE SPACING  
GEOLOGIST: HEBERTSON, 10:30 AM MAR. 16 1994

**PARTICIPANTS:**

MIKE HEBERTSON, DON PRESTENCHOWSKI,

**REGIONAL SETTING/TOPOGRAPHY:** WASATCH MOUNTAINS NORTHEAST PORTION OF THE STATE, OVERTHRUST BELT, HIGH ALPINE SLOPES, STEEP HILLS AND NARROW CANYONS. MOSTLY VEGETATED WITH TREES AND BUSHES AND GRASSES.

**LAND USE:**

CURRENT SURFACE USE: GRAZING FOR DOMESTIC LIVESTOCK, WINTER RANGE FOR DEER AND WILDLIFE.

PROPOSED SURFACE DISTURBANCE: 2.75 ACRE LOCATION, AND RESERVE PIT. ROAD ACCESS 16' WIDE 1/4 MILE LONG. LOCATION WAS PREVIOUSLY BUILT AND REHABILITATED. NEW DISTURBANCE WILL BE NO GREATER THAN THE PREVIOUSLY CONSTRUCTED LOCATION.

AFFECTED FLOODPLAINS AND/OR WETLANDS: LOCATION LIES IN A MINOR SECONDARY RUNOFF AREA.

FLORA/FAUNA: SAGEBRUSH, BITTER BRUSH, GRASSES; DEER, ELK, MOOSE, SQUIRRELS LIZARDS, HAWKS, EAGLES, SMALLER BIRDS, COYOTE, BOBCAT, INSECTS.

**ENVIRONMENTAL PARAMETERS:**

**SURFACE GEOLOGY:**

SOIL TYPE AND CHARACTERISTICS: CLAY AND SILT, GRAVEL FROM THE FOWKES FORMATION.

SURFACE FORMATION & CHARACTERISTICS: FOWKES. WEATHERS TO SLIGHTLY SANDY CLAY MEDIUN TO LIGHT BRN. WITH ANGULAR TO SUBANGULAR PEBBLES AND ROCKS.

EROSION/SEDIMENTATION/STABILITY: EROSION AND STABILITY COULD BE A MINOR PROBLEM ON THE SOUTHWEST SIDE DURING SPRING RUNOFF, AND SUMMER THUNDER STORMS.

PALEONTOLOGICAL POTENTIAL: NONE.

SUBSURFACE GEOLOGY:

OBJECTIVES/DEPTHS: THE OBJECTIVE FORMATION IS THE TWIN CREEK FORMATION AT 10,719± AND A LATERAL LEG EXTENDING INTO THE NE 1/4 OF THE LOCATION.

ABNORMAL PRESSURES-HIGH AND LOW: THIS AREA IS UNDER PRESSURED AND THE ZONE MAY SHOW SOME DEPLETION PRESSURES AS A RESULT OF PREVIOUS PRODUCTION.

CULTURAL RESOURCES/ARCHAEOLOGY: NONE HAVE BEEN SITED.

CONSTRUCTION MATERIALS: LOCATION WILL BE CONSTRUCTED WITH MATERIALS AT THE SITE USING CUT & FILL AS AVAILABLE, OTHER MATERIAL WILL BE HAULED IN TO GRADE THE ROAD. SPOIL PILES WILL BE PLACED ON THE SOUTHEAST OF THE LOCATION.

SITE RECLAMATION: AS REQUIRED BY THE SURFACE OWNER AGREEMENT.

RESERVE PIT:

CHARACTERISTICS: WILL BE PLACED ON THE SOUTH SIDE OF THE LOCATION. PIT WILL BE PARALLEL TO THE PREVAILING WIND DIRECTION.

LINING: A LINER OF 12 MIL PLASTIC (MINIMUM) WILL BE REQUIRED AND THE PIT WILL BE PADDED OR SMOOTHED SO AS TO PREVENT THE LINER FROM BEING PUNCTURED.

MUD PROGRAM: AS SPECIFIED IN THE APD AND DRILLING PLAN.

DRILLING WATER SUPPLY: WILL BE PURCHASED FROM THE GILMORE THE FEE SURFACE OWNER.

OTHER OBSERVATIONS :

STIPULATIONS FOR APD APPROVAL:

- ✓ 1. DRAINAGE <sup>should</sup> WILL BE DIVERTED AROUND THE SOUTHWEST EDGE OF THE LOCATION <sup>road</sup> WITH A CULVERT TO DIVERT THE RUNOFF UNDER THE ACCESS ROAD. <sup>is stalled</sup>
- ✓ 2. <sup>The reserve pit should</sup> ~~PIT WILL BE PADDED OR SMOOTHED IN SUCH A WAY~~ <sup>so</sup> THAT A <sup>synthetic</sup> LINER OF 12 MIL ~~PLASTIC~~ WILL NOT PUNCTURE.
- ✓ 3. A DITCH <sup>should</sup> ~~WILL BE PLACED~~ <sup>thickness</sup> ON THE SOUTH AND EAST SIDES OF THE LOCATION TO DIVERT RUNOFF FROM THE LOCATION INTO THE BRUSH ON THE NORTHEAST CORNER. <sup>constructed</sup>
- ✓ 4. A BERM TO CATCH SEDIMENT <sup>should be constructed</sup> ~~WILL BE PLACED~~ AROUND THE BASE OF THE LOCATION ON ALL FILL SIDES.

~~5. AN EROSION CONTROL (GROUND NETTING) WILL BE PLACED ON ALL FILL SIDES OF THE LOCATION.~~

~~6. DRAINAGE AND CULVERTS WILL BE PLACED ALONG THE ACCESS ROAD TO DIVERT WATER FROM THE ROAD.~~

ATTACHMENTS

PHOTOGRAPHS WILL BE PLACED OF FILE.

- ✓ 5. Ground netting should be placed on all fill slopes of the location to provide erosion control.
- ✓ 6. Culverts should be installed and drainages ditches constructed as necessary to provide for runoff diversion away from the access road.

**CONFIDENTIAL**

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: UNION PACIFIC RESOURCES

WELL NAME: UPRR 17-2H

API NO. 43-043-30304

Section 17 Township 2N Range 7E County SUMMIT

Drilling Contractor SST

Rig # 56

SPUDDED: Date 4/26/94

Time 11:00 AM

How RORARY

Drilling will commence \_\_\_\_\_

Reported by BOBBIE COOPER

Telephone # 1-640-0726

Date 4/26/94 SIGNED FRM



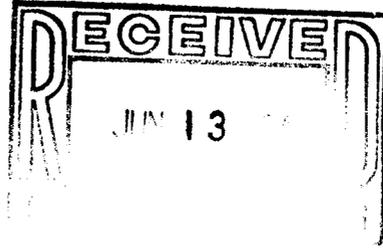
**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

June 10, 1994

Utah Department of Natural Resources  
Division of Oil, Gas, and Mining  
355 N. Temple - 3 Triad Center - Suite 350  
Salt Lake City, Utah 84180

ATTN: Mr. Frank Matthews  
  
RE: **Sundry Notice  
Well UPRR 17-2H  
Summit County, Utah**



Dear Mr. Matthews:

Enclosed please find a Sundry Notice and chronology dated June 10, 1994, pertaining to activities at the referenced well.

Please contact me at (817) 877-7952 if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton

WFB/bb

Enc. (1)

# SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial Number:

UT-PA0001

6. If Indian, Alottee or Tribe Name:

NA

7. Unit Agreement Name:

NA

8. Well Name and Number:

UPRR 17-2H

9. API Well Number:

43-043-30304

10. Field and Pool, or Wildcat:

Elkhorn

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Union Pacific Resources Company

3. Address and Telephone Number:

PO Box 7 MS 3006 Fort Worth, TX 76101-0007

4. Location of Well

Footages: SL: 663' FWL, 825' FSL Sec 17-2N-7E

BHL: 660' FEL, 660' FNL Sec 17-2N-7E

CG, Sec., T., R., M.: SW/4 Sec 17, T2N, R7E, SLBN

County: Summit

State: Utah

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

### NOTICE OF INTENT (Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- Abandonment \*
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Spud Date & Chronological Report
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

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

Please be advised that the reference well was spudded on 04-27-94 by Rig SST #56.

Attached for your records is the chronological report for the well from spud date to June 10, 1994.

Please contact me at 817-877-7952 if you need further information.

JUN 13 1994

13.

Name & Signature:

W.F. Brazelton

Title:

Sr. Regulatory Analyst

Date: 06-10-94

(This space for State use only)

13

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
04/27/94	382.0		<p>AFE #17078 IN THE AMOUNT OF 2781M. TO DRILL COMPLETE AND EQUIP A 16026' TWINCREEK HORIZONTAL WELL, LOCATED IN THE SW 4 OF SEC. 17, T2N, R7E, SUMMIT COUNTY, UTAH RKB 6946, GL 6922, API # 43-043-30304, 20" CONDUCTOR SET @ 50' FROM GROUND LEVEL</p> <p>05:00 11:00 PU BHA, AND MIX SPUD MUD, SPUD 14.75" HOLE @ 11:00 4/26/94</p> <p>11:00 22:30 DRILLED 66-229</p> <p>22:30 22:45 SURVEY @ 201 3/4 DEG.</p> <p>22:45 01:00 DRILLED 229-288</p> <p>01:00 01:30 SERVICE RIG</p> <p>01:30 05:00 DRILLED 288-382</p> <p>ROT. HRS.: 17.25, FUEL:6987, CUM:6987, 17.25 HRS SINCE LAST BHA IN SPECTION.</p> <p>WEATHER: 26 DEG. SNOW SHOWERS LAST 24 HRS ABOUT 4", FORCAST FOR MORE SNOW THRU FRIDAY</p> <p>NOTIFIED STATE OF UTAH OF SPUD @ 11:45 4/26/94, TALKED TO JOANN.</p>
04/28/94	861.0		<p>DRILLING 100% FINE GRAIN SAND STONE LAST 45' DRILLED 382-493</p> <p>05:00 08:15</p> <p>08:15 08:45 SURVEY @ 466' 3/4 DEG</p> <p>08:45 13:30 DRILLED 493-671</p> <p>13:30 14:00 CIRCULATE FOR TOH</p> <p>14:00 16:00 DROP SURVEY AND TOH</p> <p>16:00 16:30 SERVICE RIG</p> <p>16:30 18:00 TIH</p> <p>18:00 05:00 DRILLED 671-861</p> <p>ROT. HRS.: 19, CUM: 36.25 \\FUEL:0, CUM: 6987, 36.25 HRS. SINCE LAST BHA INSPECTION.</p> <p>WEATHER: 22 DEG. LIGHT WINDS OUT OF THE NORTH LIGHT SNOW SHOWERS SINCE MIDNIGHT, ONLY A SKIFF ON THE GROUND, LOCATION AND ACES MUDDY</p> <p>P. RATE SLOWED WAY DOWN @ 847', SEEMS TO BE PICKING UP A LITTLE RIGHT AFTER 05:00</p>
04/29/94	1312.		<p>05:00 06:00 DRILLED 861-866</p> <p>06:00 07:30 DROP SURVEY AND TOH</p>

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H	WELL No. :
AFE No. :017078	API No. :43-043-30304
FIELD :ELKHORN UTAH	RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		07:30 09:00	DRESS BIT AND TIH
		09:00 13:00	DRILLED 866-960
		13:00 13:30	RIG REPAIR CHANGE SWAB AND LINER
		13:30 20:00	DRILLED 960-1176
		20:00 20:30	SURVEY @ 1145' 2 DEG. RIG SERVICE
		20:30 02:00	DRILLED 1176-1270
		02:00 02:15	SURVEY @ 1240 1 3/4 DEG.
		02:15 05:00	DRILLED 1270-1312
			ROT. HRS.:19.75, CUM: 56\\FUEL: 0 CUM: 6987\\ 56 HRS SINCE LAST BHA INSPECTION
			WEATHER: 31 DEG. LIGHT SNOW MOST OF THE DAY, .19" OF MOISTURE WINDS CALM, LOCATION AND ACESS MUDDY
			AFTER SURVEY @ 1145' PICKED UP RPM AND REDUCED WT. TO KEEP HOLE FROM WALKING OFF ANY MORE. CHECKED WT INDICATER, IT HAD LOOSEMED UP SO NO TELLING WHAT KIND OF WT. WE WERE RUNNING, WILL SEE HOW SURVEY @ 1360' LOOKS BEFORE I TRY TO INCREASE WT.
04/30/94	1607.	05:00 10:15	DRILLED 1312-1396
		10:15 10:30	SURVEY @ 1365'2 DEG.
		10:30 15:30	DRILLED 1396-1459
		15:30 15:45	SURVEY @ 1428'2 3/4 DEG
		15:45 19:00	DRILLED 1459-1522
		19:00 19:15	DROP SURVEY @ 1490' 3 DEG.
		19:15 21:30	TOH, W/SLM 1526', NO CORRECTION
		21:30 22:00	SERVICE RIG
		22:00 23:30	PU BHA & SUBS
		23:30 01:00	TIH
		01:00 05:00	DRILLED 1522-1607, DRLG @ 20-25' HR. WILL TAKE A SURVEY THIS CONN TO CHECK DEVIATION
			ROT. HRS: 17.5, CUM: 73.5 \\ FUEL: 7504 CUM:14491 \\ 73.5 HRS. SINCE LAST BHA INSPECTION.
			WEATHER: 24 DEG. TR SNOW LAST 24 HRS, WINDS CALM, CLEAR, LOCATION AND ACESS WET AND MUDDY

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**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			V527 HAD ALL THE GUAGE BUTTONS BROKEN OFF ALL THREE CONES, NO OTHER BUTTONS BROKEN. FOUND A PIECE OF CUT OFF PIPE IN TOP OF SUB IN TOP OF THE XO ON TOP OF THE SHOCK SUB, LOOKS LIKE A PIECE A WELDER CUT OFF THE STAND PIPE, MEASURES 2 1/4" X 3.5"
05/01/94	1822.	05:00 06:00	DRILLED 1607-1621
		06:00 06:15	SURVEY @ 1555 2 1/4 DEG.
		06:15 14:15	DRILLED 1621-1745 LOST 200 BBL FLUID @ 1673', DRILLED A COAL SEAM
		14:15 15:00	SURVEY @ 1679 5 DEG. RAN 2 SURVEYS TO DOUBLE CHECK, BOTH READ 5 DEG, SERVICE RIG
		15:00 19:00	DRILLED 1745- 1770
		19:00 19:15	DROP SURVEY, @ 1710' 5,25 DEG
		19:15 21:00	TOH
		21:00 21:30	SERVICE RIG
		21:30 23:30	TIH
		23:30 00:30	WASH/REAM 40' TO BTM, OUT OF GUAGE HOLE, LOST 80 BBL FLUID REAMING TO BTM.
		00:30 05:00	DRILLED 1770-1822, 5-12' HR, NO FLUID LOSSES SINCE WE STARTED DRILLING. TOTAL LOSS 280 BBL.
			ROT. HRS.: 17.5, CUM.: 91\\ FUEL: 0, CUM: 14491,\\ 91 HRS SINCE LAST BHA INSPECTION.
			WEATHER: 34 DEG. CLEAR, CALM NO MOISTURE LAST 24 HRS.
			HOLE WALKED 2 3/4 DEG IN 124' RUNNING THE SAME WT AND RPM AS SURVEY BEFORE WHERE IT CAME BACK FROM 3 DEG TO 2 1/4 DEG.
05/02/94	1869.	05:00 06:30	DRILLED 1822-1838
		06:30 06:45	SURVEY @ 1787 6 DEG
		06:45 07:15	REPAIR ROTARY CHAIN
		07:15 10:00	DRILLED 1838-1869
		10:00 11:00	CIRCULATE FOR TOH
		11:00 12:30	TOH
		12:30 13:00	LD/PU 3 PT. REAMER,PU STRING IBS
		13:00 14:00	TIH
		14:00 19:00	WASH/REAM FROM 1559 TO BTM, IBS CLEANING TIGHT

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**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H  
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 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			SPOTS, MOST OF THIS WAS DONE WITH ONE PUMP, AS #2 PUMP BLEW A SWAB, AND REPLACED 2 SEATS
		19:00 19:30	CIRCULATE AND SHAKE OUT LCM
		19:30 20:30	SHORT TRIP 14 STANDS, NO EXCESS DRAG OR FILL
		20:30 23:00	CIRCULATE AND SHAKE OUT LCM
		23:00 02:00	TOH TO PU SPERRY SUN TOOLS, LD REAMERS AND SHOCK SUB
		02:00 05:00	RU SPERRY SUN, PU BHA
			ROT. HRS.: 4.25, CUM.: 95.25, \\FUEL: 0, CUM. 14491 \\ 95.25. HRS. SINCE LAST BHA INSPECTION
05/03/94	2007.	05:00 06:00	WEATHER: 31 DEG. CLEAR, CALM, TRACE OF MOISTURE LAST 24 HRS. LOCATION ADN ACESS WET AND MUDDY RU SPERRY SUN TOOLS
		06:00 06:30	TIH W/ BHA
		06:30 07:00	TEST MWD
		07:00 07:30	FINISH TIH
		07:30 08:00	ORIENT TOOL FACE
		08:00 09:30	DRILL SLIDE 1869-1883 180L
		09:30 10:15	DRILL ROTATE 1883-1900
		10:15 11:30	DRILL SLIDE 1900-1916 170L
		11:30 12:30	DRILL ROTATE 1916-1936
		12:30 14:45	DRILL SLIDE 1936-1955 160L
		14:45 16:00	DRILL ROTATE 1955-1967
		16:00 18:00	DRILL SLIDE 1967-1983 160L
		18:00 19:00	DRILL ROTATE 1983-2007
		19:00 19:45	CIRCULATE AND COND.
		19:45 22:45	TOH. SLM 2006.11 LD MWD, AMD MOTOR
		22:45 00:45	TIH
		00:45 01:45	CIRCULATE AND COND. F/ CASING
		01:45 03:15	DROP MULTISHOT AND TOH
		03:15 04:00	LD MONEL, AND 9" DCS
		04:00 05:00	RU CASPER EQUIPMENT RENTAL
			ROT. HRS. : 10, CUM. : 105.25, \\FUEL:.... CUM.:14491\\ 105.25 HRS. SINCE LAST BHA INSPECTION. \\MWD 11 HRS. ON PUMP, 15 TOTAL HRS IN HOLE. \\ MOTOR, 11 HRS ON PUMP, 15 TOTAL HRS. IN HOLE.
05/04/94	2007.	05:00 10:45	WEATHER: 37 DEG. LIGHT RAIN STARTED @ 04:00 WINDS CALM, LOCATION AND ACESS WET AND MUDDY RU CASPER EQUIPMENT RENTAL
			PU AND RUN 4 JTS OF 10 3/4" J 55 45.50# STC, AND 41 JTS OF 10 3/4 K55 45.50# STC, 2006.76' LANDED @ 2001' FLOAT COLLAR @ 1957 RU DS, CIRC W/ RIG PUMP, CHANGE OVER AND PUMP 10 BBL

**OPERATION SUMMARY REPORT**

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WELLNAME :UPRR 17-2H	WELL No. :
AFE No. :017078	API No. :43-043-30304
FIELD :ELKHORN UTAH	RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			WATER, 1210 SX OF POZ: "G", W/ 6% D20, 2% S1, .25#/SX D29, TAIL IN WITH 250 SX OF "G" W/ 3% S1, AND .25#/SX D29, DROP PLUG, DISPLACE W/ 180 BBL OF MUD, AND 9 BBL OF WATER, BUMP PLUG W/ 1000 #, RELEASE, FLOAT, HELD OK < BUMP PLUG @ 10:45.RD DS
		10:45 13:45	WAIT ON CEMENT
		13:45 20:00	CUT OFF CONDUCTOR, MAKE ROUGH CUT, MAKE FINAL CUT, PREHEAT AND WELD ON HEAD 11"X10 3/4" 3M SOW FMC.
		20:00 20:30	COOL HEAD, TEST TO 1000# F/ 10 MIN. HELD OK.
		20:30 01:30	NU BOP
		01:30 05:00	TEST CHOKE MANIFL\OLD, CHOKE LINE, SUPER CHOKE INSIDE, AND OUTSIDE VALVES, HCR, PIPE RAMS, TO 250# LOW, AND 3500# HIGH, TEST HYDRILL TO 1500# HIGH AND 250# LOW
			ROT.HRS.: 105.25\\ FUEL: 7469 , CUM:21960
			WEATHER: 37 DEG. OVERCAST, CALM, LOCATION AND ACESS WET AND MUDDY, .45" SNOW AND RAIN LAST 24 HRS.
05/05/94	2119.	05:00 06:00	TEST BOPS/DIVERTER - PULL TEST PLUG/RIG DOWN TESTER. BOP TEST NOT WITNESSED BY UTAH DEPT. OF NATURAL RESOURCES REPRESENTATIVE.
		06:00 07:00	TIH - PU 9 7/8" MILL TOOTH BIT & TIH, TAG CEMENT @ 1955'.
		07:00 08:30	DRILL CEMENT/FLOAT EQUIP. - DRILL CEMENT & FLOAT COLLAR 1955-1975'.
		08:30 08:45	TEST CASING - CLOSE PIPE RAMS & PRESSURE TEST 10 3/4" SURFACE CASING TO 1000 PSI - OK.
		08:45 09:15	DRILL CEMENT/FLOAT EQUIP. - DRILL REMAINDER OF CEMENT & FLOAT SHOE 1975-2001'.
		09:15 09:30	DRILL ROTATE 2001-2016' - DRILL OUT 14 3/4" HOLE 2001-2007', NEW FORMATION 2007-2016'.
		09:30 10:00	CIRCULATE - BOTTOMS UP
		10:00 11:30	TOH - TO CHANGE BHA. SLM - NO CORR.
		11:30 18:00	PU/LD BHA & TOOLS - LAY DOWN 8" DCS, CHANGE OUT BIT, PICK UP 7 3/4" DCS, SHOCK SUB, 3-PT. REAMERS, & ADD'L 6 1/2" DCS, LAY DOWN 'G' DRILLPIPE.
		18:00 19:00	TIH
		19:00 21:45	DRILL ROTATE 2016-2050' - 10-15M# WOB/30 RPM
		21:45 22:00	SERVICE RIG - CHANGE SAVER SUB, INSTALL CORROSION RING
		22:00 22:15	WIRELINE SURVEY @ 2048' - 6 DEG.
		22:15 00:30	DRILL ROTATE 2050-2080' - 15M# WOB/60 RPM
		00:30 01:00	WIRELINE SURVEY @ 2078' - 6 DEG.
		01:00 04:00	DRILL ROTATE 2080-2111' - 15M# WOB/60 RPM
		04:00 04:30	WIRELINE SURVEY @ 2109' - 6 DEG.
		04:30 05:00	DRILL ROTATE 2111-2119' - 20M# WOB/60 RPM
			DRILLING 50-60% SAND/20-25% SHALE/15-30% CLAY \\ RUNNING SLOWER RPM UNTIL REAMERS & BIG DCS ARE OUT OF CASING. WILL INCREASE RPM UP TO 120 IF HOLE ALLOWS ONCE BIG DCS ARE OUT OF SURFACE CASING.
			DRLG./24 HRS.:8.75 HRS./CUM.:114.0 HRS.\\

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
05/06/94	2303.	05:00 06:30	FUEL DELS./24 HRS.: 0 GALS./CUM.:21960 GALS.\\\ 116.0 CUM. ROT. HRS. ON BHA SINCE LAST INSPECTION\\CORR. RING #D1012 @ TOP OF DCS; IN @ 1800 HRS. 5/4/94 @ 2016'; 11.0 CUM. HRS. OF EXP./CORR. RING #D1067 @ SAVER SUB; IN @ 2400 HRS. 5/4/94 @ 2050'; 5.0 CUM. HRS. OF EXP. \\ WEATHER: LT. RAIN, 10-120 MPH WINDS/W SW, 54 DEG. F./LOC. & ACCESS: PAD MUDDY, ROAD - OK. DRILL ROTATE 2119-2143' - 20M# WOB/INCREASE RPM FROM 60 TO 80 @ 2120' WITH REAMERS OUT OF SURFACE CASING.
		06:30 07:00	WIRELINE SURVEY @ 2123' - 6 DEG.
		07:00 08:00	DRILL ROTATE 2143-2174' - 20M# WOB/80 RPM
		08:00 08:30	WIRELINE SURVEY @ 2154' - 6 DEG.
		08:30 09:00	DRILL ROTATE 2174-2205' - 20M# WOB/INCREASE RPM FROM 80 TO 120 @ 2180' WITH LARGER DCS OUT OF SURFACE CASING.
		09:00 09:30	WIRELINE SURVEY @ 2185' - 7 DEG.
		09:30 11:00	DRILL ROTATE 2205-2235' - 15M# WOB/120 RPM
		11:00 11:30	WIRELINE SURVEY @ 2215' - 7.75 DEG.
		11:30 14:00	DRILL ROTATE 2235-2267' - 10M# WOB/120 RPM
		14:00 14:30	WIRELINE SURVEY @ 2247' - 7.75 DEG.
		14:30 17:30	DRILL ROTATE 2267-2297' - 10M# WOB/120 RPM
		17:30 18:00	WIRELINE SURVEY @ 2277' - 9 DEG.
		18:00 19:00	DRILL ROTATE 2297-2303' - 5M# WOB/120 RPM. CALL OUT DIRECTIONAL DRILLING EQUIPMENT TO CORRECT HOLE ANGLE. ETA 0600 HRS. 5/6 FOR MWD TOOLS, MWD SUPERVISORS, & MOTORS, 1200 HRS. 5/6 FOR DIR. DRLR.
		19:00 20:00	CIRCULATE - BOTTOMS UP PRIOR TO TOH TO CHANGE BHA.
		20:00 21:30	TOH - LD 11 JTS. DRILLPIPE, TOH, NO TIGHT SPOTS, SLM - NO CORR.
		21:30 23:00	PU/LD BHA & TOOLS - LAY DOWN SHOCK SUB & 3-PT. REAMERS, PICK UP IBS'S ABOVE BIT & @ 30' & 60'.
		23:00 24:00	TIH - TO CASING SHOE
		24:00 05:00	WASH/REAM 2001-2303' - TO HELP REDUCE HOLE ANGLE WHILE WO DIRECTIONAL TOOLS TO ARRIVE. HOLE TIGHT/HIGH TORQUE 2200-2303'. RE REAM 2180-2303', TORQUE REDUCED, BEGIN LD 10 JTS. DRILLPIPE TO RE REAM HOLE AGAIN WHILE WO DIRECTIONAL TOOLS.
05/07/94	2423.	05:00 10:00	DRILLING 50-90% SAND/25-10% SHALE/25-0% CLAY \\ SIGNIFICANT AMOUNT OF METAL NOTED IN SHAKER CUTTING SAMPLES @ 2280'\\ DRLG./24 HRS.:11.0 HRS./CUM.:125.0 HRS.\\FUEL DELS./24 HRS.:0 GALS./CUM.:21960 GALS.\\132.0 CUM. ROT. HRS. ON BHA SINCE LAST INSPECTION\\ CORR. RING #D1012 @ TOP OF DCS; IN @ 1800 HRS. 5/4/94 @ 2016';35.0 CUM. HRS. OF EXP./CORR. RING #D1067 @ SAVER SUB; IN @ 2400 HRS. 5/4/94 @ 2050';29.0 CUM. HRS. OF EXP.\\ WEATHER: CLEAR, CALM, 38 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: SLIGHTLY MUDDY. WASH/REAM 2001-2303' - FINISH LD 10 JTS. DP, RE REAM OPEN HOLE TO ATTEMPT TO REDUCE HOLE

JUN 13 1994

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H	WELL No. :
AFE No. :017078	API No. :43-043-30304
FIELD :ELKHORN UTAH	RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		10:00 11:00	ANGLE WHILE WO DIRECTIONAL TOOLS/HANDS. CIRCULATE - BOTTOMS UP PRIOR TO TOH, PUMP TRIP SLUG.
		11:00 12:30	TOH - NO TIGHT SPOTS
		12:30 14:00	PU/LD BHA & TOOLS - LD IBS'S, PU DIRECTIONAL TOOLS, CHANGE OUT BIT.
		14:00 15:30	TIH - TIH W/BHA, TEST MWD TOOL & MOTOR - OK, TIH W/DP TO 2050'.
		15:30 16:00	WASH/REAM 2020-2110' - REAM
		16:00 17:30	W/MOTOR ORIENTED TO LOW SIDE OF HOLE 2020-2110' WORK WITH MWD TOOL - ATTEMPT TO SURVEY WELL @ 2110' W/MWD TOOL. GETTING INCONSISTENT & ABNORMALLY HIGH ANGLE READINGS. CHECK OUT SURFACE TOOLS - OK, ADJUST SOFTWARE. UNABLE TO CORRECT PROBLEM/SUSPECT MWD PROBE BAD.
		17:30 19:00	TOH - PUMP SLUG, TOH FOR MWD TOOL FAILURE
		19:00 19:30	CHANGE OUT MWD - REPLACE MWD PROBE
		19:30 21:00	TIH - TIH W/BHA, TEST MWD TOOL & MOTOR - OK. TIH TO 2110'.
		21:00 23:00	WASH/REAM 2110-2303' - ORIENT TOOL FACE, REAM W/MOTOR ORIENTED TO LOW SIDE OF HOLE 2110-2303' IN ATTEMPT TO REDUCE HOLE ANGLE, TAKE MWD SURVEY EVERY 90'.
		23:00 05:00	DRILL & SURVEY 2303-2423' DRILL ROTATE - 84'/33.6 FPH DRILL SLIDE - 36'/14.4 FPH MWD SURVEYS  SLIDE: 2303-2315' 180 \\\ ROTATE: 2315-2328' SLIDE: 2328-2338' 170L \\\ ROTATE: 2338-2390' SLIDE: 2390-2402' 170L \\\ ROTATE: 2402-2421' SLIDE: 2402-2423' 170L  PUMP PRESSURES: 1850 PSI (OFF BOTTOM), 1950 PSI (SLIDING & ROTATING) \\\ DRILLING 100% CONGLOMERATE \\\ METAL IN SHAKER CUTTINGS DECREASED CONSIDERABLY SINCE PUTTING MOTOR IN HOLE, VERY LITTLE AMOUNT NOW VISIBLE \\\ SPERRY SUN ON LOCATION @ 0700 HRS. 5/6/94, IN OPERATION @ 1300 HRS. 5/6/94 \\\ BIT TO SURVEY PROBE 50' \\\  WEATHER: PARTLY CLOUDY, CALM, 43 DEG. F., NO PRECIP. LAST 24 HRS./LOC. & ACCESS: OK
05/08/94	2867.	05:00 05:00	DRILL & SURVEY 2423-2867' DRILL ROTATE 273'/21.0 FPH DRILL SLIDE 171'/19.5 FPH MWD SURVEYS  SLIDE: 2423-2433' 170L \\\ ROTATE: 2433-2453' SLIDE: 2453-2465' 180 \\\ ROTATE: 2465-2484' SLIDE: 2484-2496' 180 \\\ ROTATE: 2496-2515' SLIDE: 2515-2530' 180 \\\ ROTATE: 2530-2573' SLIDE: 2573-2588' 180 \\\ ROTATE: 2588-2604' SLIDE: 2604-2617' 180 \\\ ROTATE: 2617-2666' SLIDE: 2666-2697' 180 \\\ ROTATE: 2697-2727' SLIDE: 2727-2749' 180 \\\ ROTATE: 2749-2788' SLIDE: 2788-2813' 180 \\\ ROTATE: 2813-2850'

JUN 13 2001

OPERATION SUMMARY REPORT

WELLNAME :UPRR 17-2H	WELL No. :
AFE No. :017078	API No. :43-043-30304
FIELD :ELKHORN UTAH	RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			SLIDE: 2850-2867' 180
			TIGHT CONN. @ 2850', PULLING 150M# OVER STRING WT.
			PUMP PRESSURES: 1900 PSI (OFF BOTTOM), 2100 PSI (SLIDING), 2050 PSI (ROTATING) \\\ DRILLING 100-40% CONGLOMERATE/0-60% CLAY \\\ NO METAL OBSERVED IN SHAKER CUTTINGS LAST 24 HRS.
			DRLG./24 HRS.:21.75 HRS./CUM.:153.75 HRS.\\\ FUEL DELS./24 HRS.:0 GALS./CUM.:21960 GALS.\\\ 152.5 CUM. ROT. HRS. ON BHA SINCE LAST INSP.\\\ MTR. SN. 800-011/28.75 HRS. DRLG./34.5 HRS. ON PUMP\\MWD TOOL/33.0 HRS. ON PUMP/34.0 HRS. IN HOLE\\CORR. RING #D1012 @ TOP OF DCS; IN @ 1800 HRS. 5/4/94 @ 2016';83.0 CUM. HRS. OF EXP./CORR. RING #D1067 @ SAVER SUB; IN @ 2400 HRS. 5/4/94 @ 2050';78.0 CUM. HRS. OF EXP.
			WEATHER: PARTLY CLOUDY, 0-5 MPH WINDS/E, 38 DEG. F., NO PRECIP. LAST 24 HRS./LOC. & ACCESS: OK.
05/09/94	3305.	05:00 05:00	DRILL & SURVEY 2867-3305' DRILL ROTATE - 300'/19.0 FPH DRILL SLIDE - 138'/21.2 FPH MWD SURVEYS
			SLIDE: 2867-2871' 180 \\\ ROTATE: 2871-2912' SLIDE: 2912-2937' 180 \\\ ROTATE: 2937-2974' SLIDE: 2974-2996' 180 \\\ ROTATE: 2996-3036' SLIDE: 3036-3051' 300 MAG. \\\ ROTATE: 3051-3097' SLIDE: 3097-3113' 300 MAG. \\\ ROTATE: 3113-3159' SLIDE: 3159-3175' 305 MAG. \\\ ROTATE: 3175-3222' SLIDE: 3222-3242' 305 MAG. \\\ ROTATE: 3222-3285' SLIDE: 3285-3305' 305 MAG.
			PUMP PRESSURES: 2000 PSI (OFF BOTTOM), 2200 PSI (ROTATING & SLIDING) \\\ DRILLING 40-100% CONGLOMERATE/60-0% CLAY \\\ NO METAL OBSERVED IN SHAKER CUTTINGS LAST 24 HRS.
			DRLG./24 HRS.:22.25 HRS./CUM.:176.0 HRS.\\\ FUEL DELS./24 HRS.:0 GALS./CUM.:21960 GALS.\\\ 168.25CUM. ROT. HRS. ON BHA SINCE LAST INSP.\\\ MTR. SN. 800-011/51.0 HRS. DRLG./58.5 HRS. ON PUMP\\MWD TOOL/57.0 HRS. ON PUMP/58.0 HRS. IN HOLE\\COR. RING #D1012 @ TOP OF DCS; IN @ 1800 HRS. 5/4/94 @ 2016'; 107.0 CUM. HRS. OF EXP./ CORR. RING #D1067 @ SAVER SUB; IN @ 2400 HRS. 5/4/94 @ 2050';102.0 CUM. HRS. OF EXP.
			WEATHER: CLEAR, 5-10 MPH WINDS/E, 40 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: OK

**OPERATION SUMMARY REPORT**

JUN 13 1994

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY		
05/10/94	3540.	05:00 18:30	DRILL & SURVEY 3305-3540' DRILL ROTATE - 166'/20.8 FPH DRILL SLIDE - 69'/15.3 FPH MWD SURVEYS  ROTATE: 3305-3346' \\\ SLIDE: 3346-3366' 320 MAG. ROTATE: 3366-3407' \\\ SLIDE: 3407-3427' 330 MAG. ROTATE: 3427-3469' \\\ SLIDE: 3469-3489' 345 MAG. ROTATE: 3489-3531' \\\ SLIDE: 3531-3540' 350 MAG.		
		18:30 19:30	ROP SLOWING 3536-3540'/ OVER 60 HRS. ON BIT CIRCULATE - BOTTOMS UP PRIOR TO TOH, PUMP TRIP SLUG.		
		19:30 21:00	TOH - NO TIGHT SPOTS, 10M# UPDRAG, SLM - NO CORR.		
		21:00 23:00	PU/LD BHA & TOOLS - CHECK MWD - OK, LD MOTOR & BIT, PU NEW ADJ. BH MUD MOTOR W/TANDEM POWER SECTION & PDC BIT, ADJUST ANGLE ON MOTOR TO 1 DEG.		
		23:00 01:00	TIH - TAG BRIDGE @ 2570'.		
		01:00 04:30	WASH/REAM - WASH/REAM/TIH, CHASING BRIDGE TO BOTTOM.		
		04:30 05:00	ORIENT TOOL FACE - BEGIN SLIDING @ 3540' @ REPORT TIME.  PUMP PRESSURES: 1700 PSI (OFF BOTTOM), 1850 PSI (SLIDING) \\\ DRILLING 100-20% CONGLOMERATE/0-80% CLAY \\\ NO METAL OBSERVED IN SHAKER CUTTINGS LAST 24 HRS. \\\ MTR. SN. 800-011 HAD 1/4" WEAR ON HOUSING @ BEND		
		WEATHER: CLEAR, CALM, 40 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: GOOD			
		05/11/94	3966.	05:00 06:00	DRILL SLIDE 3540-3553' - @ 350 MAG./10M# WOB - 13.0 FPH
				06:00 08:30	DRILL ROTATE 3553-3615' - 5M# WOB/24.8 FPH
				08:30 08:45	MWD SURVEY @ 3543' - 1.4 DEG. INC./166.7 AZ.
				08:45 11:30	DRILL ROTATE 3615-3678' - 5M# WOB/22.9 FPH
				11:30 11:45	MWD SURVEY @ 3606' - 1.2 DEG. INC./157.7 AZ.
				11:45 13:00	DRILL SLIDE 3678-3688' - @ 340 MAG./10M# WOB - 8.0 FPH
13:00 13:30	DRILL ROTATE 3688-3704' - 5M# WOB/32.0 FPH				
13:30 14:45	WORK ON PUMPS - CAP & RING OVER SUCTION VALVE ON PUMP #1 LEAKING/THREADS BROKEN/STRIPPED, WO PARTS & REPLACE.				
14:45 16:30	DRILL ROTATE 3704-3740' - 5M# WOB/20.6 FPH				
16:30 16:45	MWD SURVEY @ 3668' - 1.0 DEG. INC./157.9 AZ.				
16:45 19:30	DRILL ROTATE 3740-3763' - 5M# WOB/8.4 FPH - DRILLING CLAY				
19:30 21:00	REPAIR RIG - WELD HOLE IN STANDPIPE				
21:00 22:00	DRILL ROTATE 3763-3803' - 5M# WOB/40.0 FPH				
22:00 22:15	MWD SURVEY @ 3731' - 0.7 DEG. INC./150.8 AZ.				
22:15 02:00	DRILL ROTATE 3803-3896' - 6-7M# WOB/24.8 FPH				
02:00 02:30	MWD SURVEY @ 3824' - 0.7 DEG. INC./161.9 AZ.				

**OPERATION SUMMARY REPORT**

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WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		02:30 05:00	<p>DRILL ROTATE 3896-3966' - 6M# WOB/28.0 FPH - NO DIFFERENCE IN 6M# &amp; 7M# WOB ON ROP, SO RUNNING 6M# TO HOLD DEVIATION.</p> <p>PUMP PRESSURES: 1900 PSI (OFF BOTTOM), 2050 PSI (ROTATING &amp; SLIDING) \\\ DRILLING 30-70% CONGLOMERATE/70-30% CLAY \\\ NO METAL IN SHAKER CUTTINGS LAST 24 HRS. \\\ RECHECK HOUSING WEAR ON MTR. SN. 800-011 1/16" \\\ BIT TO SURVEY PROBE 72' \\\ BIT #10 HAS 5-20/32" JETS \\\ ANAL. ON CORR. RING #D1012 .62 #/FT.2/YR.; RING #D1067 .42 #/FT.2/YR.</p> <p>DRLG./24 HRS.:19.75 HRS./CUM.:209.25 HRS.\\\ FUEL DELS./24 HRS.:7407 GALS./29367 GALS.\\\ 197.25 CUM. ROT. HRS. ON BHA SINCE LAST INSP. \\\MTR. SN. 800-015/19.75 HRS. DRLG./26.5 HRS. ON PUMP\\\MWD TOOL/99.0 HRS. ON PUMP/104.0 HRS. IN HOLE\\\CORR. RING #M17 @ TOP OF DCS; IN @ 2300 HRS. 5/9/94 @ 3540'; 30.0 CUM. HRS. OF EXP./CORR. RING #D1022 @ SAVER SUB; IN @ 0400 HRS. 5/10/94 @ 3540'; 25.0 CUM. HRS. OF EXP.</p> <p>WEATHER: CLEAR, CALM, 42 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. &amp; ACCESS: GOOD</p>

**OPERATION SUMMARY REPORT**

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WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
05/12/94	4393.	05:00 05:00	<p>DRILL &amp; SURVEY 3966-4393'                      DRILL ROTATE - 416'/19.1 FPH                      DRILL SLIDE - 11'/22.0 FPH                      MWD SURVEYS</p> <p>ROTATE: 3966-4177' \\\ SLIDE: 4177-4188' 320                      MAG.                      ROTATE: 4188-4393'</p> <p>PUMP PRESSURES: 1850 PSI (OFF BOTTOM), 2100 PSI                      (ON BOTTOM) \\\ DRILLING 30-90% CONGLOMERATE/                      70-10% CLAY \\\ NO METAL IN SHAKER CUTTINGS                      LAST 24 HRS. \\\ BIT #10 HAS 5-20/32" JETS</p> <p>DRLG./24 HRS.: 22.25 HRS./CUM.: 231.5 HRS. \\\                      FUEL DELS./24 HRS.: 0 GALS./CUM.: 29367 GALS.                      \\\ 219.0 CUM. ROT. HRS. ON BHA SINCE LAST                      INSP. \\\ MTR. SN. 800-015/42.0 HRS. DRLG./50.5                      HRS. ON PUMP \\\ MWD TOOL/123.0 HRS. ON PUMP/                      128.0 HRS. IN HOLE \\\ CORR. RING #M17 @ TOP OF                      DCS; IN @ 2300 HRS. 5/9/94 @ 3540'; 54.0 CUM.                      HRS. OF EXP./CORR. RING #D1022 @ SAVER SUB; IN                      @ 0400 HRS. 5/10/94 @ 3540'; 49.0 CUM. HRS. OF                      EXP.</p> <p>WEATHER: CLEAR, CALM, 45 DEG. F., LT. RAIN                      SHOWER 5/11/94 P.M.\ LOC. &amp; ACCESS: GOOD</p>
05/13/94	4749.	05:00 05:00	<p>DRILL &amp; SURVEY 4393-4749'                      DRILL ROTATE - 356'/15.6 FPH                      MWD SURVEYS</p> <p>4393-4549': 6-7M# WOB/13.3 FPH                      4549-4734': 8-9M# WOB/18.0 FPH                      4734-4749': 10-12M# WOB/20.0 FPH</p> <p>PUMP PRESSURES: 1850 PSI (OFF BOTTOM),                      2050-2100 PSI (ROTATING) \\\ HOLE SEEPING MUD                      HAVE LOST TOTAL OF APPROX. 200 BBLs. OVER                      LAST 24 HRS. (0-10 BPH). TREATING WITH 8 PPB                      NUT PLUG &amp; MICA PILLS. ARE CURRENTLY                      BYPASSING SHAKER &amp; OTHER SOLIDS CONTROL TO TRY                      &amp; HEAL UP LOSSES \\\ DRILLING 60-80 %                      CONGLOMERATE/40-20% CLAY \\\ SLIGHT AMOUNT OF                      METAL OBSERVED IN CUTTINGS LAST 24 HRS. \\\                      BIT #10 HAS 5-20/32" JETS</p> <p>DRLG./24 HRS.:22.75 HRS./CUM.:254.25 HRS.\\\                      FUEL DELS./24 HRS.:0 GALS./CUM.:29367 GALS.\\\                      241.75 CUM. ROT. HRS. ON BHA SINCE LAST INSP.                      \\\MTR. SN. 800-015/64.75 HRS. DRLG./74.5 HRS.                      ON PUMP\\MWD TOOL/147.0 HRS. ON PUMP/152.0                      HRS. IN HOLE\\CORR. RING #M17 @ TOP OF DCS;                      @ 2300 HRS. 5/9/94 @ 3540'; 78.0 CUM. HRS. OF                      EXP./CORR. RING #D1022 @ SAVER SUB; IN @ 0400                      HRS. 5/10/94 @ 3540'; 73.0 CUM. HRS. OF EXP.</p> <p>WEATHER: CLOUDY, CALM, 45 DEG. F., LT.                      INTERMITTENT RAIN/0.1" TOTAL LAST 12 HRS./LOC.                      &amp; ACCESS: GOOD</p>

**OPERATION SUMMARY REPORT**

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WELLNAME :UPRR 17-2H  
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WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY		
05/14/94	5149.	05:00 10:45	DRILL ROTATE 4749-4826' - 10-12M# WOB/200-250 PSI DIFF./77'/13.3 FPH		
		10:45 11:00	MWD SURVEY @ 4754' - 1.3 DEG. INC./133.4 AZ.		
		11:00 12:45	DRILL SLIDE 4826-4837' - 15-18M# WOB/300 PSI DIFF./11'/6.3 FPH		
		12:45 16:30	DRILL ROTATE 4837-4918' - 10-15M# WOB/250-300 PSI DIFF./81'/21.6 FPH		
		16:30 16:45	MWD SURVEY @ 4846' - 0.8 DEG. INC./144.5 AZ.		
		16:45 20:30	DRILL ROTATE 4918-5011' - 15-20M# WOB/250-300 PSI DIFF./93'/24.8 FPH		
		20:30 20:45	MWD SURVEY @ 4939' - 0.8 DEG. INC./143.0 AZ.		
		20:45 01:30	DRILL ROTATE 5011-5105' - 15-20M# WOB/250-300 PSI DIFF./94'/19.8 FPH		
		01:30 02:00	MWD SURVEY @ 5033' - 1.3 DEG. INC./124.0 AZ.		
		02:00 03:30	DRILL SLIDE 5105-5117' - 30M# WOB/300 PSI DIFF./12'/8.0 FPH		
		03:30 05:00	DRILL ROTATE 5117-5149' - 25-30M# WOB/300 PSI DIFF./21.3 FPH		
					PUMP PRESSURES: 1850 PSI (OFF BOTTOM), 2100-2150 PSI (SLIDING & ROTATING) \\\ RUNNING 300 PSI DIFFERENTIAL PRESS. ON BIT HAVING TO BACK OFF WOB/RUN 250 PSI DIFF. PRESS. AT TIMES DUE TO BIT BOUNCING \\\ NO MUD LOSSES LAST 24 HRS., TURNED SOLIDS CONTROL EQUIP'T BACK ON & SHOOK LCM OUT OF MUD SYSTEM \\\ DRILLING 85-90% CONGLOMERATE/15-10% CLAY \\\ NO METAL OBSERVED IN SHAKER CUTTINGS LAST 24 HRS. \\\ BIT #10 HAS 5-20/32" JETS
					DRLG./24 HRS.:22.75 HRS./CUM.:277.0 HRS.\\ FUEL DELS./24 HRS.:7353 GALS./CUM.:36720 GALS. \\\261.25 CUM. ROT. HRS. ON BHA SINCE LAST INSP.\\MTR. SN. 800-015/87.5 HRS. DRLG./98.5 HRS. ON PUMP\\MWD TOOL/171.0 HRS. ON PUMP/ 176.0 HRS. IN HOLE\\CORR. RING #M17 @ TOP OF DCS; IN @ 2300 HRS. 5/9/94 @ 3540'; 102.0 CUM. HRS. OF EXP./CORR. RING #D1022 @ SAVER SUB; IN @ 0400 HRS. 5/10/94 @ 3540';97.0 CUM. HRS. OF EXP.
		05/15/94	5372.	05:00 09:00	WEATHER: CLEAR, CALM, 34 DEG. F., TRACE LT. RAIN 5/13/94 A.M./LOC. & ACCESS: GOOD
	DRILL ROTATE 5149-5198' - 20-25M# WOB/200-250 PSI DIFF. PRESS./49'/12.3 FPH				
09:00 09:15	MWD SURVEY @ 5126' - 1.6 DEG. INC./134.2 AZ.				
09:15 11:45	DRILL SLIDE 5198-5208' - @ 315 MAG. - 20-30M# WOB/200-300 PSI DIFF. PRESS./10'/4.0 FPH, MOTOR STALLING, ROP SLOWING TO 20 MPF ON LAST 2' OF SLIDE.				
11:45 12:45	CIRCULATE - PRIOR TO TOH FOR BIT #11, PUMP TRIP SLUG.				
12:45 15:30	TOH - 20M# OVERPULL ON 2ND JT. OFF BOTTOM, NO OTHER TIGHT SPOTS.				
15:30 17:30	PU/LD BHA & TOOLS - LD PDC BIT & TANDEM POWER UNIT MUD MOTOR, CHANGE OUT MWD PROBE & PULSAR UNIT, PU NEW SINGLE POWER UNIT MOTOR & TRI CONE BIT.				

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
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		17:30 18:30	TIH - W/BHA
		18:30 20:00	SLIP & CUT DRILL LINE - 112' - ADJUST BRAKES
		20:00 21:00	TIH - TEST MWD TOOL & MOTOR - OK, TIH W/ DRILLPIPE.
		21:00 21:30	WASH/REAM 5202-5208' - WASH 6' FILL TO TD.
		21:30 22:00	DRILL SLIDE 5208-5214' - @ 315 MAG. - 6'/12.0 FPH.
		22:00 00:30	DRILL ROTATE 5214-5271' - 57'/22.8 FPH
		00:30 00:45	MWD SURVEY @ 5219' - 1.2 DEG. INC./152.9 AZ.
		00:45 04:30	DRILL ROTATE 5271-5363' - 92'/24.5 FPH
		04:30 04:45	MWD SURVEY @ 5311' - 0.8 DEG. INC./146.3 AZ.
		04:45 05:00	DRILL ROTATE 5363-5372' - 9'/18.0 FPH
			PUMP PRESUURES: 1900 PSI (OFF BOTTOM), 2050 PSI (SLIDING), 2100 PSI (ROTATING) \\\ DRILLING 85-90% CONGLOMERATE, 15-10% CLAY \\\ NO MUD LOSSES OR METAL IN SHAKER CUTTINGS OBSERVED LAST 24 HRS. \\\ BIT TO SURVEY PROBE 52' \\\ MAX. 1/8" WEAR ON 800-015 MUD MOTOR HOUSING/ MAX. 3/8" WEAR ON STABILIZER RINGS DRLG./24 HRS.:13.5 HRS./CUM.:290.5 HRS.\\\ FUEL DELS./24 HRS.:0 GALS./CUM.:36720 GALS.\\\ 272.25 CUM. ROT. HRS. ON BHA SINCE LAST INSP. \\MTR. SN. 800-015/94.0 HRS. DRLG./106.25 HRS. ON PUMP\MTR. SN. 800-019A/7.0 HRS. DRLG./8.0 HRS. ON PUMP\\MWD TOOL/8.0 HRS. ON PUMP/11.5 HRS. IN HOLE\\CORR. RING #M17 @ TOP OF BHA; IN @ 2300 HRS. 5/9/94 @ 3540'; 126.0 CUM. HRS. OF EXP./CORR. RING #D1022 @ SAVER SUB; IN @ 0400 HRS. 5/10/94 @ 3540'; 121.0 CUM. HRS. OF EXP. WEATHER: LT. RAIN, 5 MPH WIND/E, 50 DEG. F./ LOC. & ACCESS: GOOD
05/16/94	5824.	05:00 05:00	DRILL & SURVEY 5372-5824' DRILL ROTATE - 442'/20.0 FPH DRILL SLIDE - 10'/13.3 FPH MWD SURVEYS
			ROTATE: 5372-5455' \\\ SLIDE: 5455-5465' 320 MAG. ROTATE: 5465-5824'
			PUMP PRESSURES: 2000 PSI (OFF BOTTOM), 2150 PSI (SLIDING & ROTATING) \\\ DRILLING 85-90% CONGLOMERATE/15-10% CLAY \\\ NO MUD LOSSES OR METAL IN SHAKER SAMPLES LAST 24 HRS. \\ BIT #11 HAS JK INSERT PATTERN ON SHIRTAILS
			DRLG./24 HRS.:22.75 HRS./CUM.:313.25 HRS.\\\ FUEL DELS./24 HRS.:0 GALS./CUM.:36720 GALS.\\\ 294.25 CUM. ROT. HRS. ON BHA SINCE LAST INSP. \\MTR. SN. 800-019A/29.75 HRS. DRLG./32.0 HRS. ON PUMP\\MWD TOOL/32.0 HRS. ON PUMP/35.50 HRS. IN HOLE\\CORR. RING #M17 @ TOP OF BHA; IN @ 2300 HRS. 5/9/94 @ 3540';150.0 CUM. HRS. OF EXP./CORR. RING #D1022 @ SAVER SUB; IN @ 0400 HRS. 5/10/94 @ 3540'; 146.0 CUM. HRS. OF EXP.
			WEATHER: CLEAR, CALM, 46 DEG. F., NO PRECIP.

**OPERATION SUMMARY REPORT**

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WELLNAME :UPRR 17-2H	WELL No. :
AFE No. :017078	API No. :43-043-30304
FIELD :ELKHORN UTAH	RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
05/17/94	6191.	05:00 05:00	<p>LAST 24 HRS./LOC. &amp; ACCESS: GOOD                      DRILL &amp; SURVEY 5824-6191'                      DRILL ROTATE - 367'/15.8 FPH                      MWD SURVEYS</p> <p>PUMP PRESSURES: 2100 PSI (OFF BOTTOM), 2250 PSI (ROTATING - NO SLIDES LAST 24 HRS.) \\\                      DRILLING                      85-90% CONGLOMERATE/15-10% CLAY \\\ NO MUD LOSSES OR METAL IN SHAKER SAMPLES LAST 24 HRS.                      \\\ BIT #11 HAS JK INSERT PATTERN ON SHIRTAILS                      \\\ CENTRIFUGE DOWN 8 HRS. FOR REPAIR \\\ MUD LOGGER ON LOCATION @ 2400 HRS. 5/16/94 - WILL FINISH RU/BEGIN OPERATIONS THIS A.M.</p> <p>DRLG./24 HRS.:23.25 HRS./CUM.: 336.5 HRS.\\\                      FUEL DELS./24 HRS.:0 GALS./CUM.:36720 GALS.\\\                      317.5 CUM. ROT. HRS. ON BHA SINCLE LAST INSP.                      \\\MTR. SN. 800-019A/53.0 HRS. DRLG./56.0 HRS. ON PUMP\\\MWD TOOL/56.0 HRS. ON PUMP/59.5 HRS. IN HOLE\\\CORR. RING #M17 @ TOP OF BHA; IN @ 2300 HRS. 5/9/94 @ 3540'; 174.0 CUM. HRS. OF EXP./CORR. RING #D1022 @ SAVER SUB; IN @ 0400 HRS. 5/10/94 @ 3540';170.0 CUM. HRS. OF EXP.</p> <p>WEATHER: INTERMITTENT RAIN/THUNDERSTORMS, 0-15 MPH WINDS/W, 38 DEG. F., 0.2" PRECIP. LAST 24 HRS./LOC. &amp; ACCESS: GOOD</p>
05/18/94	6413.	05:00 07:30 07:30 07:45 07:45 08:30 08:30 11:30 11:30 12:30 12:30 16:00 16:00 16:30 16:30 22:00 22:00 22:30 22:30 04:45 04:45 05:00	<p>DRILL ROTATE 6191-6223' - 32'/12.8 FPH - ROP SLOWING TO 10 FPH.</p> <p>MWD SURVEY @ 6171' - 0.8 DEG. INC./132.4 AZ.</p> <p>CIRCULATE - PRIOR TO TOH TO CHECK BIT, PUMP TRIP SLUG.</p> <p>TOH - NO TIGHT SPOTS. LD 5 JTS. "E" DRILLPIPE REQUIRING NEW HARDBANDING.</p> <p>PU/LD BHA &amp; TOOLS - CHANGE OUT MUD MOTOR, BIT, &amp; MWD TOOL PROBE &amp; PULSAR (PU SPERRY "ABI" TOOL IMMEDIATELY ABOVE BIT), ADJST. ANGLE ON MOTOR HOUSING.</p> <p>TIH - TIH W/BHA, TEST MWD TOOL &amp; MOTOR - OK, TIH, PU 5 JTS. "G" DRILLPIPE, WASH TO BOTTOM, NO FILL.</p> <p>MWD SURVEY @ 6174' - CHECK SURVEY</p> <p>DRILL ROTATE 6223-6320' - 97'/17.6 FPH</p> <p>MWD SURVEY @ 6271' - 0.9 DEG. INC./147.7 AZ.</p> <p>DRILL ROTATE 6320-6413' - 93'/14.9 FPH - LOST 50 BBLs. MUD @ 6340', PUMP MICA/NUT PLUG SWEEP, NO FURTHER LOSSES SEEN.</p> <p>MWD SURVEY @ 6364' - 1.3 DEG. INC./148.1 AZ.</p> <p>PUMP PRESS.: 1700 PSI (OFF BOTTOM), 1950 PSI (SLIDING), 1850 PSI (ROTATING)\\\BIT #12 HAS JK INSERT PATTERN ON SHIRTAILS\\\MUD LOGGER IN OPERATION @ 1920 HRS. 5/17/94 @ 6250'\\\ SPERRY RUNNING "ABI" TOOL TO TEST TELEMETRY BETWEEN "ABI" TOOL &amp; MWD PROBE UNDER PUMPING CONDITIONS\\\BIT TO SURVEY PROBE 49'\\\</p>

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H  
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 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY	
05/19/94	6772.	05:00 06:00	LOST TOTAL OF 50 BBLs. MUD LAST 24 HRS. \\NO INCREASE IN METAL SEEN IN SHAKER SAMPLES LAST 24 HRS. \\1/4" WEAR ON HOUSING ON MTR. SN. 800-019A DRLG./24 HRS.:14.25 HRS./CUM.:350.75 HRS. \\ FUEL DELS./24 HRS.:7352 GALS./CUM.:44072 GALS. \\331.75 CUM. ROT. HRS. ON BHA SINCE LAST INSP. \\MTR. SN. 800-019A/55.5 HRS. DRLG./59.5 HRS. ON PUMP\MTR. SN. 800-033/11.75 HRS. DRLG./13.0 HRS. ON PUMP\\MWD TOOL/13.0 HRS. ON PUMP/16.5 HRS. IN HOLE\\CORR. RING # M17 @ TOP OF BHA; IN @ 2300 HRS. 5/9/94 @ 3540', OUT @ 1100 HRS. 5/17/94 @ 6223';180.00 CUM. HRS. OF EXP./CORR. RING #N95 @ TOP OF BHA; IN @ 1100 HRS. 5/17/94 @ 6223'; 18.0 CUM. HRS. OF EXP./CORR. RING #D1022 @ SAVER SUB; IN @ 0400 HRS. 5/10/94 @ 3540', OUT @ 0800 HRS. 5/17/94 @ 6223';173.0 CUM. HRS. OF EXP./CORR. RING #M65 @ SAVER SUB; IN @ 0800 HRS. 5/17/94 @ 6223'; 21.0 CUM. HRS. OF EXP. WEATHER: PC, CALM, 40 DEG. F., /LOC. & ACCESS: GOOD DRILL SLIDE 6413-6428 330 MAG.  STUMP TOP 6330'	
		06:00 10:45	DRILL ROTATE 6428-6505	
		10:45 11:00	MWD SURVEY	
		11:00 13:00	DRILL SLIDE 6505-6530 330 MAG.	
		13:00 17:45	DRILL ROTATE 6530-6598	
		17:45 18:00	MWD SURVEY	
		18:00 19:30	DRILL SLIDE 6598-6628 304 MAG.	
		19:30 23:30	DRILL ROTATE 6628-6689	
		23:30 23:45	MWD SURVEY	
		23:45 01:30	DRILL SLIDE 6689-6714 304-330 MAG.	
		01:30 05:00	DRILL ROTATE 6714-6772	
				ROT. HRS.:23.25, CUM: 374 HRS. \\ FUEL:0 CUM:44072 GAL. \\355.75 HRS SINCE LAST BHA INSPECTION\\ MTR. # 800-033/ 35.75 HRD DRLG./ 27 HRS./ON PUMP\\ MWD TOOL 27 HRS.ON PUMP/40.5 HRS. IN HOLE\\ CORR. RING # N95 @ TOP OF BHA IN @ 1100 HRS. 5/17/94 @ 6223' 42 HRS. EXP/ CORR. RING #M65 @ SAVER SUB; IN @ 1800 HRS. 5/17/94 @ 6223' 45 HRS EXP.  WEATHER: 35 DEG.PC, CALM, LOCATION AND ACESS GOOD

**OPERATION SUMMARY REPORT**

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 RIG :SST #56

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SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
05/20/94	6970.	05:00 05:30	NO LOSSES LAST 24 HRS. NO WATER FLOW YET, STILL WATCHING FOR IT. DRILL ROTATE 6772-6782
		05:30 06:00	MWD SURVEY
		06:00 11:45	DRILL ROTATE 6782-6876
		11:45 12:00	MWD SURVEY
		12:00 14:00	DRILL SLIDE 6876-6901 330 MAG.
		14:00 18:30	DRILL ROTATE 6901-6970, DRILLED A SAND FROM 6959-6964,
		18:30 18:45	MWD SURVEY, TOOK WATER FLOW ON SURVEY, SHUT IN AND HAD 145# SICP
		18:45 05:00	CIRC. OUT WATER FLOW ON CHOKE, AFTER WTNG. UP SURFACE SYSTEM.
			<p>ROT. HRS. 12.75/ CUM.:386.75\\ FUEL: 0/ CUM.: 44072 GAL.\\ 368.5. HRS. SINCE LAST BHA INSPECTION\\ MTR. #800-033/59.75 HRS.DRLG./ 51 HRS. ON PUMP\\ MWD TOOL 51 HRS. ON PUMP, 64.5 HRS. IN HOLE.\\ CORR. RING #N95 @ TOP OF BHA IN @ 1100 HRS. 5/17/94 @ 6223' 66 HRS. EXP. RING #M65 @ SAVER SUB; IN @ 1800 HRS. 5/17/94 @ 6223' 69 HRS. EXP.</p> <p>WEATHER: 30 DEG.PC, CALM, LOCATION AND ACESS GOOD</p> <p>NO LOSSES LAST 24 HRS.</p> <p>NOTICED WATER FLOW JUST @ SURVEY @ 6921', FLOWING 2 BBL MIN. ON SURVEY, STARTED BACK TO DRILLING AND FLUID STARTED FLOWING OVER BELL NIPPLE, AND UP THRU MASTER BUSHING, SHUT IN, SICP 145#, WT UP SURFACE SYSTEM, CIRC THRU CHOKE TO KILL WATER FLOW, DIDN'T GET AN ESTIMATE ON THE VOLUME OF FLOW, WOULDN'T STAY IN BELL NIPPLE. WATER FLOW WAS FRESH, I THINK, MUD DIDN'T FLOCCULATE @ BOTTOMS UP.</p>
05/21/94	7131.	05:00 12:00	CIRC. OUT WATER FLOW ON CHOKE
		12:00 13:30	DRILL SLIDE 6970-6995 300 MAG.
		13:30 17:00	DRILL ROTATE 6995-7063
		17:00 17:15	MWD SURVEY
		17:15 19:00	DRILL SLIDE 7063-7079 320 MAG.
		19:00 19:30	MIX AND PUMP PILL
		19:30 23:00	TRIP FOR BIT, SLM .67 LONG, NO CORRECTION
		23:00 00:30	PU/LD BHA & TOOLS, CHANGE MWD 20K MAX DRAG ON

**OPERATION SUMMARY REPORT**

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 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			TOH
		00:30 02:30	TIH
		02:30 03:30	DRILL SLIDE 7079-7088 300 MAG.
		03:30 05:00	DRILL ROTATE 7088-7131, DRLG BREAK 7088-7119. DRLD @ 54' HR.
			ROT. HRS.: 9.25/ CUM.: 396 \\\ FUEL: 0/ CUM.: 44072 GAL. \\\ 377.75 HRS. SINCE LAST BHA INSPECTION. \\\ MTR.#800-018A/ 2.50 HRS. DRLG./ 2.50 HRS. ON PUMP \\\ MWD TOOL 2.50 HRS. ON PUMP / 4.50 HRS IN HOLE. \\\ CORR. RING #N95 @ TOP OF BHA IN @ 1100 HRS. 5/17/94 @ 6223 , 90 HRS. EXP. RING #M65 @ SAVER SUB; IN @ 1800 HRS. 5/17/94 @ 6223' 93 HRS. EXP.
			WEATHER: 30 DEG. CLEAR, CALM, LOCATION AND ACCESS GOOD.
			PREUSS TOP 7120', BUT SUBJECT TO CHANGE, AS WE ARE IN ANOTHER DRLG BREAK NOW, APPEARS TO BE SAND.
05/22/94	7474.	05:00 05:45	DRILL ROTATE 7131-7150
		05:45 06:00	MWD SURVEY
		06:00 07:15	DRILL SLIDE 7150-7160 290 MAG.
		07:15 07:45	SERVICE RIG, CHECK BOP, HYDRIL 95 SEC. RAMS 14 SEC.
		07:45 12:15	DRILL ROTATE 7160-7243
		12:15 12:30	MWD SURVEY
		12:30 16:30	DRILL ROTATE 7243-7335
		16:30 16:45	MWD SURVEY
		16:45 17:45	DRILL SLIDE 7335-7345 300 MAG.
		17:45 22:45	DRILL ROTATE 7345-7428
		22:45 23:00	MWD SURVEY
		23:00 01:00	DRILL SLIDE 7428-7440 320 MAG.
		01:00 02:30	DRILL ROTATE 7440-7459
		02:30 04:30	DRILL SLIDE 7459-7467 310 MAG.
		04:30 05:00	DRILL ROTATE 7467-7474
			PREUSS TOP 369' LOW TO PROG, MUD LOGGER SUSPETS REVERSE FAULT IN UPPER STUMP SECTION CAUSING STUMP FORMATION TO BE ABNORMALLY THICK. MUD HAS TURNED RED NOW.
			ROT. HRS.: 22.5/ CUM.: 418.5 \\\ FUEL: 7280 CUM.: 51352 GAL./ 400.25 HRS. SINCE LAST BHA INSPECTION. \\\ MTR# 800-018A/ 25 HRS. DRLG. / 26 HRS. ON PUMP. \\\ MWD TOOL 26. HRS ON PUMP, 28.5 HRS IN HOLE. \\\ CORR. RING #N95 @ TOP OF BHA; IN @ 1100 HRS. 5/17/94 @ 6223', 114 HRS EXP. RING # M65 @ SAVER SUB; IN @ 1800 HRS. 5/17/94 @ 6223' 117 HRS. EXP.
			WEATHER: 38 DEG. PC, CALM, DRY, LOCATION AND ACCESS GOOD
05/23/94	7645.	05:00 06:45	DRILL ROTATE 7474-7491
		06:45 07:00	MWD SURVEY

## OPERATION SUMMARY REPORT

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		07:00 08:15	DRILL SLIDE 7491-7497 300 MAG.
		08:15 10:30	TOH
		10:30 11:30	PU/LD BHA & TOOLS, CHECK BOP, SERVICE RIG
		11:30 14:30	TIH CHECK MWD, FILL PIPE EA. 25 STANDS
		14:30 15:00	WASH/REAM 74' TO BOTTOM, HOLE A LITTLE TIGHT
		15:00 16:00	DRILL SLIDE 7497-7508 300 MAG.
		16:00 17:45	DRILL ROTATE 7508-7526
		17:45 18:00	MWD SURVEY
		18:00 18:30	DRILL SLIDE 7526-7536 300 MAG.
		18:30 19:30	DRILL ROTATE 78536-7558
		19:30 21:00	DRILL SLIDE 7558-7568 290 MAG.
		21:00 22:00	DRILL ROTATE 7568-7588
		22:00 22:15	MWD SURVEY
		22:15 00:30	DRILL SLIDE 7588-7603 290 MAG.
		00:30 01:30	DRILL ROTATE 7603-7619
		01:30 02:00	WORK ON PUMPS
		02:00 02:15	MWD SURVEY
		02:15 04:30	DRILL SLIDE 7619-7636 300 MAG.
		04:30 05:00	DRILL ROTATE 7636-7645
			<p>ROT. HRS. : 15.75/ CUM. : 434.25\\ FUEL: 0 /            CUM. : 51352 GAL.\\ .416 HRS SINCE LAST BHA            INSPECTION.\\ MTR #800-013 / 10 DRLG HRS.            / 17.50 HRS. ON PUMP.\\ MWD TOOL 44 HRS.            ON PUMP, / 46.50 HRS IN HOLE.\\ CORR. RING #N95            @ TOP OF BHA; IN @ 1100 HRS. 5/17/94 @ 6223'            138 HRS. EXP. RING #M65 @ TOP OF SAVER SUB;            IN @ 1800 HRS. 5/17/94 @ 6223' 131 HRS EXP.</p> <p>WEATHER: 43 DEG. PC, CALM, LOCATION AND            ACCESS GOOD.</p> <p>MOTOR #800-018A, HAD 3/16" WEAR ON THE LOW SIDE            , THIS IS ONE OF THE MOTORS THAT HAD THE            COPELAND FLAME SPRAY ON IT, THE OTHER MOTOR            WITH THE SPRAY CAME OUT WITH 1/8" WEAR ON THE            LOW SIDE, SO DON'T KNOW IF THE SPRAY IS WORTH            \$4000.00 PER MOTOR OR NOT.</p>
05/24/94	7884.	05:00 05:30	DRILL ROTATE 7645-7650
		05:30 06:00	MWD SURVEY
		06:00 08:15	DRILL SLIDE 7650-7682 340 MAG.
		08:15 08:30	MWD SURVEY
		08:30 09:30	DRILL ROTATE 7682-7697
		09:30 11:30	DRILL SLIDE 7697-7713 340 MAG.
		11:30 11:45	MWD SURVEY
		11:45 12:45	DRILL SLIDE 7713-7723 340 MAG.
		12:45 14:15	DRILL ROTATE 7723-7744
		14:15 14:30	MWD SURVEY
		14:30 17:00	DRILL SLIDE 7744-7775 340 MAG.
		17:00 17:15	MWD SURVEY
		17:15 19:00	DRILL SLIDE 7775-7790 340 MAG.
		19:00 19:30	DRILL ROTATE 7790-7806
		19:30 19:45	MWD SURVEY
		19:45 00:30	DRILL SLIDE 7806-7837 270 MAG.
		00:30 00:45	MWD SURVEY
		00:45 03:00	DRILL SLIDE 7837-7867 270 MAG.
		03:00 03:15	MWD SURVEY
		03:15 04:30	DRILL ROTATE 7867-7882
		04:30 05:00	DRILL SLIDE 7882-7884 270 MAG.

## OPERATION SUMMARY REPORT

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

JUN 18 1994

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			ROT. HRS.: 19.75/ CUM.: 454\\ FUEL: 0 CUM.: 51325 GAL.\\ 435.75 HRS. SINCE LAST BHA INSPECTION.\\ MTR. #800-013 / 29.75 DRLG. HRS. / 37.25 HRS. ON PUMP.\\ MWD TOOL 68 HRS. ON PUMP / 70.5. HRS. IN HOLE.\\ CORR. RING #N95 @ TOP OF BHA; IN @ 1100 HRS. 5/17/94 @ 6223' 162 HRS. EXP. RING # M65 @ SAVER SUB; IN @ 1800 HRS . 5/17/94 @ 6223' 155 HRS. EXP.
			WEATHER: 40 DEG. PC, CALM, LOCATION AND ACCESS GOOD
			ROTATING AND SLIDES ARE ERATIC, AVERAGE PR 12' HR. LAST 24 HRS. COMPARED TO 10.2' HR. THRU SAME SECTION ON ELKHORN.
05/25/94	8096.	05:00 06:15	DRILL SLIDE 7884-7890 270 MAG.
		06:15 06:30	DRILL ROTATE 7890-7898
		06:30 06:45	MWD SURVEY
		06:45 08:30	DRILL ROTATE 7898-7915
		08:30 09:30	WORK ON PUMPS
		09:30 10:30	DRILL ROTATE 7915-7928
		10:30 12:00	DRILL SLIDE 7928-7938 270 MAG.
		12:00 14:00	DRILL ROTATE 7938-7959
		14:00 14:15	MWD SURVEY
		14:15 16:30	DRILL ROTATE 7959-7990
		16:30 18:45	DRILL SLIDE 7990-8011
		18:45 19:30	DRILL ROTATE 8011-8021
		19:30 19:45	MWD SURVEY
		19:45 21:30	DRILL ROTATE 8021-8053
		21:30 22:00	MWD SURVEY
		22:00 04:45	DRILL SLIDE 8053-8096
		04:45 05:00	RIG REPAIR WORK ON SCR
			ROT. HRS.: 21.50 / CUMM.: 475.50 \\ FUEL: 0 CUMM: 51325 GAL. \\ 457.25 HRS. SINCE LAST BHA INSPECTION.\\ MTR #800-013 / 51.25 DRLG. HRS. / 58.75 HRS ON PUMP. \\ MWD TOOL 92 HRS. ON PUMP / 94.5 HRS IN HOLE.\\ CORR. RING #N95 @ TOP OF BHA; IN @ 1100 HRS. 5/17/94 @ 6223' 186 HRS. EXP. RING #M65 @ SAVER SUB; IN @ 1800 HRS. 5/17/94 @ 6223' 179 HRS. EXP.
			WEATHER: 39 DEG. PC, CALM, LOCATION AND ACCESS GOOD
			SLIDING @ 6-8' HR. ROTATE @ 12-18' HR.
			TRANSFORMERS WENT OUT OF #2 SCR, SO DECIDED TO TRIP FOR BIT WHILE WE ARE CRIPPLED.
05/26/94	8133.	05:00 06:00	DRILL ROTATE 8096-
		06:00 06:30	MIX AND PUMP PILL
		06:30 10:00	TOH W/ SLM 1.47 LONG NO CORRECTION
		10:00 12:00	PU/LD BHA & TOOLS
		12:00 13:00	TIH, W/ BHA AND 21 STANDS DP
		13:00 13:30	SHALLOW PULSE TEST MWD
		13:30 14:00	SERVICE RIG
		14:00 16:00	FINISH TIH
		16:00 17:30	DRILL ROTATE 8103-8116

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H	WELL No. :	
AFE No. :017078	API No. :43-043-30304	
FIELD :ELKHORN UTAH	RIG :SST #56	JULY 13 1994

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		17:30 18:00	MWD SURVEY
		18:00 20:30	DRILL ROTATE 8116-8133 ( FRACTURES, TWISTED DRIVE SHAFT ON MOTOR)
		20:30 21:00	MIX AND PUMP PILL
		21:00 01:00	TOH
		01:00 02:00	PU/LD MUD MOTOR
		02:00 05:00	TIH
			ROT. HRS. : 5 CUMM. : 480.5\FUEL: 0 CUMM. : 51325 \\\ 462.25 HRS. SINCE LAST BHA INSPECTION. \\\ MTR. #800-146 0 DRLG. HRS. .25 HRS. ON PUMP \\\ MWD TOOL 6.5 HRS ON PUMP / 16 HRS IN HOLE. \\\ CORR. RING #D1033 @ TOP OF BHA; IN @ 1300 HRS. 5/25/94 @ 8103' 16 HRS. EXP. RING #D1046 @ SAVER SUB; IN @ 1600 HRS. 5/25/94 @ 8103' 13 HRS. EXP.
			WEATHER: 41 DEG. PC, CALM, LOCATION AND ACESS GOOD
			MOTOR #800-032 MADE 30', ALL FRACTURES, TWISTED THE DRIVE SHAFT WE THINK, COULDN'T TURN MOTOR ON SURFACE.
05/27/94	8359.	05:00 06:00	TIH
		06:00 06:15	ORIENT TOOL FACE
		06:15 08:00	DRILL ROTATE 8133-8140
		08:00 12:00	DRILL SLIDE 8140-8193 290 MAG.
		12:00 16:30	DRILL ROTATE 8193-8240
		16:30 22:00	DRILL SLIDE 8240-8286 300 MAG.
		22:00 23:00	DRILL ROTATE 8286-8303
		23:00 23:15	MWD SURVEY
		23:15 00:30	DRILL ROTATE 8303-8318
		00:30 02:30	DRILL SLIDE 8318-8334 270-300 MAG.
		02:30 05:00	DRILL ROTATE 8334-8359
			ROT HRS. : 22.50/ CUMM. : 503 \\\ FUEL: 0 CUMM. : 581325 \\\ 484.75 HRS. SINCE LAST BHA INSPECTION. \\\ MTR. #800-146 22.50 DRLG. HRS. / 23 HRS. ON PUMP \\\ MWD TOOL 29.50 HRS. ON PUMP / 40 HRS IN HOLE. \\\ CORR. RING #D1033 @ TOP OF BHA; IN @ 1300 HRS. 5/25/94 @ 8103' 40 HRS. EXP. RING #D1046 @ SAVER SUB; IN @ 1600 HRS. 5/25/94 @ 8103' 37 HRS. EXP.
			WEATHER: 41 DEG.PC, CALM. TRACE OF RAIN LAST 24 HRS. LOCATION AND ACESS GOOD.
05/28/94	8554.	05:00 05:30	DRILL ROTATE 8359-8365
		05:30 06:00	MWD SURVEY
		06:00 08:00	DRILL SLIDE 8365-8380 330 MAG.
		08:00 09:15	DRILL ROTATE 8380-8397
		09:15 09:30	SERVICE RIG
		09:30 12:00	DRILL ROTATE 8397-8428
		12:00 12:15	MWD SURVEY
		12:15 14:00	DRILL SLIDE 8428-8443 360 MAG.
		14:00 19:00	DRILL ROTATE 8443-8490
		19:00 19:15	MWD SURVEY
		19:15 20:30	DRILL SLIDE 8490-8500 340
		20:30 22:00	RIG PUMPS, SWAB AND LINER
		22:00 01:00	DRILL SLIDE 8500-8521 340-360 MAG

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H	WELL No. :
AFE No. :017078	API No. :43-043-30304
FIELD :ELKHORN UTAH	RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 32

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		01:00 05:00	DRILL ROTATE 8521-8554  ROT. HRS.: 21./ CUMM.: 524\\ FUEL: 7381 CUMM.: 58706 GAL. \\ 505.75 HRS. SINCE LAST BHA INSPECTION.\\ MTR. #800-146 44 DRLG. HRS./ 47 HRS. ON PUMP.\\ MWD TOOL 53.50 HRS ON PUMP./ 64 HRS. IN HOLE.\\ CORR. RING #D1033 @ TOP OF BHA; IN @ 1300 HRS. 5/25/94 @ 8103' 64 HRS. EXP. RING #D1046 @ SAVER SUB; IN @ 1600 HRS. 5/25/94 @ 8103' 61 HRS. EXP  WEATHER: 44 DEG.PC, CALM,.25" RAIN LAST 24 HRS. LOCATION AND ACESS GOOD  LAST 5 HRS. PR HAS BEEN STEADY @ 8.25' HR.

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**OPERATION SUMMARY REPORT**

JUN 13 1994

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 33 TO REPORT No. 45

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
05/29/94	8677.	05:00 05:15	DRILL ROTATE 8554-8555
		05:15 05:30	MWD SURVEY
		05:30 06:30	DRILL SLIDE 8555-8563
		06:30 07:00	MWD SURVEY
		07:00 10:00	TOH
		10:00 11:00	PU/LD BHA & TOOLS
		11:00 12:15	TIH W/ DCS AND 28 STANDS DP SHALLOW PULSE TEST
		12:15 13:00	SLIP & CUT DRILL LINE 100'
		13:00 14:00	TIH 30 STANDS AND FILL DP
		14:00 14:30	TIH,35 STANDS, AND FILL DP
		14:30 15:00	FILL DP AND ORIENT TOOL FACE
		15:00 17:00	DRILL SLIDE 8563-8578 320 MAG.
		17:00 21:30	DRILL ROTATE 8578-8614
		21:30 21:45	MWD SURVEY
21:45 01:00	DRILL ROTATE 8614-8645		
01:00 03:00	DRILL SLIDE 8645-8660 300-320 MAG.		
03:00 05:00	DRILL ROTATE 8660-8677		
			ROT. HRS.: 14/ CUMM.: 538 \\\ FUEL: 0 CUMM.: 58706 GAL. \\\ 519.75 HRS. SINCE LAST BHA INSPECTION. \\\ MTR. # 800-146 58 DRLG. HRS./ 64 HRS. ON PUMP. \\\ MWD TOOL 15 HRS. ON PUMP./ 16.75 HRS IN HOLE. \\\ CORR. RING #D1033 @ TOP OF BHA; IN @ 1300 HRS. 5/25/94 @ 8103' 88 HRS. EXP./ RING #D1046 @ SAVER SUB; IN @ 1600 HRS. 5/25/94 @ 8103' 85 HRS. EXP.
			WEATHER: 39 DEG. CLEAR, CALM, LOCATION AND ACCESS GOOD.
05/30/94	8868.	05:00 07:30	DRILL SLIDE 8677-8692 300 MAG.
		07:30 12:30	DRILL ROTATE 8692-8738
		12:30 12:45	MWD SURVEY
		12:45 15:00	DRILL SLIDE 8738-8753 280 MAG.
		15:00 19:00	DRILL ROTATE 8753-8801
		19:00 19:15	MWD SURVEY
		19:15 20:45	DRILL ROTATE 8801-8816
		20:45 02:30	DRILL SLIDE 8816-8847 270 MAG.
		02:30 04:15	DRILL ROTATE 8847-8863
		04:15 04:30	MWD SURVEY
04:30 05:00	DRILL ROTATE 8863-8868		
			ROT. HRS.:21.75 / CUMM.:559.75 \\\ FUEL:0 CUMM: 58706 GAL. \\\ 541.50 HRS. SINCE LAST BHA INSPECTION. \\\ MTR. #800-146 79.75 DRLG. HRS./ 88 HRS. ON PUMP. \\\ MWD TOOL 39 HRS ON PUMP/ 40.75 HRS. IN HOLE. \\\ CORR. RING #D1033 @ TOP OF BHA; IN @ 1300 HRS. 5/25/94 @ 8103' 112 HRS. EXP. RING #D1046 @ SAVER SUD; IN @ 1600 HRS. 5/25/94 @ 8103' 109 HRS. EXP.
			WEATHER: 51 DEG. CLEAR, WINDS SOUTH @ 5 MPH, LOCATION AND ACCESS GOOD.
05/31/94	8957.	05:00 07:30	DRILL ROTATE 8868-8894
		07:30 08:00	SURVEY AND PUMP PILL
		08:00 12:30	TOH F/ MOTOR
		12:30 14:00	PU/LD BHA & TOOLS
		14:00 17:15	TIH, FILL PIPE EA. 30 STANDS.
		17:15 18:30	DRILL SLIDE 8894-8906 270 MAG.

**OPERATION SUMMARY REPORT**

JUN 3 1994

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 33 TO REPORT No. 45

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		18:30 21:00	DRILL ROTATE 8906-8925
		21:00 21:15	MWD SURVEY
		21:15 22:45	DRILL ROTATE 8925-8957
		22:45 23:00	MWD SURVEY
		23:00 23:30	CIRCULATE, MIX AND PUMP PILL
		23:30 02:30	TOH F/ BHA
		02:30 04:00	PU/LD BHA & TOOLS
		04:00 05:00	TIH
			ROT.HRS.: 7.0/ CUMM.: 566.75 \\\ FUEL:0/ CUMM.: 58706 GAL. \\\MTR #800-147 4.50 DRLG. HRS./ 11.50 HRS. IN HOLE \\\ MWD TOOL 47.0 HRS. ON PUMP/ 60.75 HRS. IN HOLE.\\\ CORR. RING #D1033 @ TOP OF BHA; IN @ 1300 HRS. 5/25/94 @ 8103' 136 HRS. EXP./ RING #D1046 @ SAVER SUB; IN @ 1600 HRS. 5/25/94 @ 8103' 133 HRS. EXP.
			WEATHER: 47 DEG.CLEAR, CALM, LOCATION AND ACESS GOOD
			SALT TOP CAME IN @ 8927' 106' HIGH TO PROG, CHECKED CHLORIDES @ BOTTOMS UP AND DID SEE AN INCREASE. DRILLED 20' INTO SALT BECAUSE I DIDN'T BELIEVE IT COULD COME IN SO HIGH.
06/01/94	9116.	05:00 06:00	TIH, HAD TO TRIP BACK OUT TO CHANGE JETS IN BIT AS DRILLER DIDN'T SEE FIT TO WAKE ME WHEN HE GOT OUT OF THE HOLE.
		06:00 07:30	PU/3 XH DCS, PUT 3 H90 ON CAT WALK FIRST, HAD TO RE DO THAT, NOT A GOOD WAY TO START THE DAY
		07:30 10:30	TIH, FILL PIPE EA. 30 STANDS.
		10:30 11:00	CALIBRATE GAMMA RAY TOOL
		11:00 16:30	DRILLED 8957-9022
		16:30 16:45	MWD SURVEY
		16:45 19:15	DRILLED 9022-9054
		19:15 19:30	SHORT TRIP 2 STANDS, NORMAL DRAG.
		19:30 21:30	DRILLED 9054-9084 LOST 300# PUMP PRESSURE
		21:30 22:00	MWD SURVEY
		22:00 24:00	TOH FOR PRESSURE LOSS, FOUND HOLE @ 132 JTS DWN
		24:00 02:00	TIH, LD WASHED JT, KELLEY UP TO CHECK PRESSURE, CHECK MWD.
		02:00 02:15	WASH/REAM 60' TO BTM, HAD 4' FILL
		02:15 05:00	DRILLED 9084-9116
			ROT. HRS.: 13.75/ CUMM.: 580.50 \\\ FUEL: 0 CUMM.:58706 GAL.\\\ 562.25 HRS. SINCE LAST BHA INSPECTION. CUMM.:58706 GAL. \\\ MWD TOOL 15 HRS. ON PUMP,/ 23 HRS IN HOLE.\\\ CORR. RING #M35 @ TOP OF BHA; IN @ 0800 HRS. 5/31/94 @ 8957' 21 HRS EXP. RING #D1015 @ SAVER SUB; IN @ 1100 HRS. 5/31/94 @ 8957' 18 HRS. EXP.
			WEATHER: 44 DEG. CLOUDY, CALM, .10" RAIN LAST 24 HRS, LOCATION AND ACESS GOOD.
			FORMATION DRILLING LIKE IT IS DIRTY, SEEING MOSTLY GRAY SHALE OVER SHAKER, DRILLS FROM 1-15 MIN./FT.

**OPERATION SUMMARY REPORT**

31994

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 33 TO REPORT No. 45

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
06/02/94	9422.	05:00 07:00	DRILLED 9116-9146' - 35M# WOB/120 RPM - 30'/15.0 FPH
		07:00 07:15	MWD SURVEY @ 9129' - 1.1 DEG. INC./157.7 AZ.
		07:15 08:00	DRILLED 9146-9166' - 35M# WOB/120 RPM - 20'/26.7 FPH
		08:00 09:00	DRILLED 9166-9177' - 35M# WOB/80 RPM - 11'/11.0 FPH
		09:00 09:15	SHORT TRIP - 3 STANDS TO 8850', NO ABNORMAL UPDRAG OR DOWNDRAG.
		09:15 12:00	DRILLED 9177-9208' - 35M# WOB/80 RPM - 31'/11.3 FPH
		12:00 12:15	MWD SURVEY @ 9191' - 1.2 DEG. INC./149.5 AZ.
		12:15 14:15	DRILLED 9208-9238' - 35M# WOB/80 RPM - 30'/15.0 FPH
		14:15 14:30	MWD SURVEY @ 9221' - 1.3 DEG. INC./150.8 AZ.
		14:30 17:00	DRILLED 9238-9270' - 35M# WOB/80 RPM - 32'/12.8 FPH
		17:00 17:15	MWD SURVEY @ 9252' - 1.3 DEG. INC./154.6 AZ.
		17:15 17:30	SHORT TRIP - 4 STANDS TO 8850', NO ABNORMAL UPDRAG OR DOWNDRAG.
		17:30 20:00	DRILLED 9270-9301' - 35M# WOB/80 RPM - 31'/12.4 FPH
		20:00 20:15	MWD SURVEY @ 9283 - 1.4 DEG. INC./157.7 AZ.
		20:15 22:00	DRILLED 9301-9331' - 35M# WOB/120 RPM - 30'/17.1 FPH
		22:00 22:15	MWD SURVEY @ 9313' - 1.5 DEG. INC./155.6 AZ.
		22:15 00:15	DRILLED 9331-9360' - 35M# WOB/120 RPM - 29'/14.5 FPH
		00:15 00:30	MWD SURVEY @ 9342' - 1.4 DEG. INC./157.3 AZ.
		00:30 00:45	SHORT TRIP - 5 STANDS TO 8850', NO ABNORMAL UPDRAG OR DOWNDRAG
		00:45 02:45	DRILLED 9360-9390' - 35M# WOB/120 RPM - 30'/15.0 FPH
02:45 03:00	MWD SURVEY @ 9373' - 1.6 DEG. INC./153.9 AZ.		
03:00 05:00	DRILLED 9390-9422' - 35M# WOB/80 RPM - 32'/16.0 FPH		
			NO MUD LOSSES OR GAINS LAST 24 HRS. \\\ NO INCREASE IN METAL OBSERVED IN CUTTINGS LAST 24 HRS. \\\ BIT TO SURVEY PROBE 18'/BIT TO GR PROBE 26' \\\ NO VISIBLE SALT IN CUTTINGS SAMPLES \\\ ROP ERRATIC - AVG. ROP @ 80 RPM LAST 24 HRS. 13.1 FPH, AVG. ROP @ 120 RPM LAST 24 HRS. 16.4 FPH \\\ TORQUE @ 80 RPM 290 AMPS, @ 120 RPM 320 AMPS DRLG./24 HRS.:21.25 HRS./CUM.:601.75 HRS.\\ FUEL DELS./24 HRS.:7421 GALS./CUM.:66154 GALS.\\ 583.5 CUM. ROT. HRS. ON BHA SINCE LAST INSP. \\\MWD TOOL/38.25 ON PUMP/47.00 HRS. IN HOLE\\ CORR. RING #M35 @ TOP OF DCS; IN @ 0800 HRS. 5/31/94 @ 8957';45.0 CUM. HRS. OF EXP./CORR. RING #D1015 @ SAVER SUB; IN @ 1100 HRS. 5/31/94 @ 8957';42.0 CUM. HRS. OF EXP. WEATHER: CLEAR, CALM, 40 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: GOOD
06/03/94	9547.	05:00 05:15	MWD SURVEY @ 9404' - 1.6 DEG. INC./158.3 AZ.
		05:15 07:15	DRILLED 9422-9453' - 35M# WOB/80 RPM - 31'/15.5 FPH

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 33 TO REPORT No. 45

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		07:15 07:30	SHORT TRIP - 6 STANDS TO 8850', NO TIGHT SPOTS
		07:30 07:45	MWD SURVEY @ 9435' - 1.7 DEG. INC./163.9 AZ.
		07:45 09:45	DRILLED 9453-9483' - 35M# WOB/120 RPM - 30'/15.0 FPH
		09:45 10:00	MWD SURVEY @ 9466' - 1.9 DEG. INC./166.4 AZ.
		10:00 12:00	DRILLED 9483-9503' - 35M# WOB/120 RPM - 20'/10.0 FPH - ROP SLOWING, STANDPIPE PRESS. DROPPED TOTAL OF 300 PSI 9493-9503'.
		12:00 16:00	TOH - CHECK PUMPS - OK. TOH TO CHECK STRING FOR HOLE. NO TIGHT SPOTS. FOUND WASHOUT IN CONN. BETWEEN 4 1/2XH X 5 H-90 X/O SUB & DC BELOW IT. ORDER OUT NEW SUB & CONT'D TOH WHILE WAITING TO ARRIVE. SLM: +5.51' CORR.
		16:00 19:00	PU/LD BHA & TOOLS - CHANGE OUT BITS & MWD PULSAR SUB & PROBE, PU & ORIENT MUD MOTOR, LD BAD DC & X/O SUB, PU NEW X/O SUB & 2 ADD'L DCS.
		19:00 23:00	TIH - TEST MWD TOOL - OK, TIH, NO TIGHT SPOTS OR FILL.
		23:00 24:00	WORK WITH MWD - NOT GETTING PULSE DETECTION @ SURFACE, CHECK SURFACE EQUIPMENT - OK, ATTEMPT TO CHANGE TOOL DETECTION RATE, WOULD NOT RESPOND. ABLE TO GET ENOUGH DETECTION IF PUMPS RUN @ 85 SPM ON BOTH. DECIDE TO GO AHEAD WITH SLIDE AT HIGHER PUMP RATE TO SEE IF TOOL WOULD BEGIN TO START WORKING AGAIN.
		24:00 03:00	DRILL SLIDE 9509-9529' - 20'/6.7 FPH - 360 MAG.
		03:00 05:00	DRILL ROTATE 9529-9547' - 18'/9.0 FPH
			PUMP PRESSURES: 2250 PSI (OFF BOTTOM), 2400 PSI (ROTATING & SLIDING)\\ NO MUD LOSSES OR GAINS LAST 24 HRS.\\ NO INCRS. IN METAL OBSERVED IN CUTTINGS LAST 24 HRS.\\ BIT TO SURVEY PROBE:47', BIT TO GR PROBE:54'\\ NO VISIBLE SALT IN CUTTING SAMPLES\\ BASE OF PREUSS SALT @ 9495'
			WEATHER: CLEAR, CALM, 45 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: GOOD
06/04/94	9660.	05:00 05:15	MWD SURVEY @ 9500' - MWD TOOL NOT WORKING
		05:15 06:30	CIRCULATE - BOTTOMS UP PRIOR TO TOH TO CHECK MWD TOOL.
		06:30 10:30	TOH - TO CHECK MWD TOOL. PULLING STRING WET TO HELP FIND ANY HOLES IN STRING. NO TIGHT SPOTS. FOUND HOLE IN BOX AREA OF TOP 7 3/4" DC (DC HAD CRACKED & WASHED THROUGH THREAD AREA. ALSO WASHED OUT THREADS OF X/O SUB ABOVE IT).
		10:30 11:45	PU/LD BHA & TOOLS - CHANGE OUT BAD DC & X/O SUB. CONT'D TOH, CHECK REMAINDER OF STRING, MOTOR & BIT - ALL OK. CHANGE OUT MWD PULSAR SUB & PROBE (NOTHING FOUND WRONG WITH MWD TOOL LAID DOWN UPON BREAKING DOWN LATER - PROBLEMS EXPERIENCED WERE DUE TO HOLE IN DC).
		11:45 15:45	TIH - CHECK MWD TOOL EVERY 30 STANDS - OK. NO TIGHT SPOTS OR FILL.
		15:45 16:30	RE LOG HOLE 9478-9493' - RE RUN GR LOG THROUGH AREA WHERE HAVING TROUBLE WITH MWD PRIOR TO TOH. RE RUN SURVEY @ 9501' - 1.8 DEG. INC./

**OPERATION SUMMARY REPORT**

JUN 13 1994

WELLNAME :UPRR 17-2H	WELL No. :
AFE No. :017078	API No. :43-043-30304
FIELD :ELKHORN UTAH	RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 33 TO REPORT No. 45

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			171.6 AZ.
		16:30 19:00	DRILL ROTATE 9547-9578' - 31'/12.4 FPH
		19:00 19:15	MWD SURVEY @ 9531' - 1.8 DEG. INC./178.3 AZ.
		19:15 21:15	DRILL SLIDE 9578-9595' - 17'/8.5 FPH - 360 MAG.
		21:15 22:15	DRILL ROTATE 9595-9609' - 14'/14.0 FPH
		22:15 22:30	MWD SURVEY @ 9562' - 1.6 DEG. INC./191.4 AZ.
		22:30 01:30	DRILL ROTATE 9609-9640' - 31'/10.3 FPH
		01:30 01:45	MWD SURVEY @ 9594' - 1.5 DEG. INC./228.5 AZ.
		01:45 02:15	SHORT TRIP - 7 STANDS TO 8940', NO TIGHT SPOTS
		02:15 04:00	DRILL ROTATE 9640-9653' - 13'/7.4 FPH
		04:00 05:00	DRILL SLIDE 9653-9660' - 7'/7.0 FPH - 50 MAG. PUMP PRESSURES: 2200 PSI (OFF BOTTOM), 2350 PSI (SLIDING & ROTATING)\\NO MUD LOSSES OR GAINS LAST 24 HRS.\\NO INCRS. IN METAL OBSERVED IN CUTTINGS LAST 24 HRS.\\TOP OF TWIN CREEK (GIRAFFE CREEK) @ 9544' MD\\DRLG./24 HRS.:11.25 HRS./CUM.:626.0 HRS.\\FUEL DELS./24 HRS.:0 GALS./CUM.:66154 GALS.\\599.75 CUM. ROT. HRS. ON BHA SINCE LAST INSP.\\MTR. SN. 800-147/21.5 HRS. DRLG./26.5 HRS. ON PUMP\\MWD TOOL/12.75 HRS. ON PUMP/17.25 HRS. IN HOLE\\CORR. RING #M35 @ TOP OF DCS; IN @ 0800 HRS. 5/31/94 @ 8957';93.0 CUM. HRS. OF EXP./CORR. RING #D1015 @ SAVER SUB; IN @ 1100 HRS. 5/31/94 @ 8957';90.0 CUM. HRS. OF EXP.\\WEATHER: CLEAR, 5-10 MPH WINDS/W, 58 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: GOOD
06/05/94	9863.	05:00 05:00	DRILL & SURVEY 9660-9863' DRILL ROTATE - 86'/10.4 FPH DRILL SLIDE - 117'/9.6 FPH MWD SURVEYS SHORT TRIPS  SLIDE: 9660-9671' 50 MAG. \\ ROTATE: 9671-9702' SLIDE: 9702-9787' 40-45 MAG. \\ ROTATE: 9787-9810' SLIDE: 9810-9827' 15 MAG. \\ ROTATE: 9827-9859' SLIDE: 9859-9863' 30 MAG.  RAN SHORT TRIPS FROM 9765-8790' & 9859-8790'. NO TIGHT SPOTS ON EITHER TRIP\\BEGAN BUILDING ANGLE IN INTERMEDIATE HOLE @ 40-45 AZIMUTH TO ALLOW BETTER ACCESS TO HORIZONTAL SECTIONS IN BOTH RICH & WATTON CANYON TARGET SECTIONS AFTER SETTING INTERMEDIATE CASING, SHOULD A DUAL LATERAL BE REQUIRED.  PUMP PRESSURES: 2100 PSI (OFF BOTTOM), 2250 PSI (SLIDING), 2200 PSI (ROTATING)\\NO MUD LOSSES OR GAINS LAST 24 HRS.\\NO INCREASE IN METAL OBSERVED IN CUTTINGS LAST 24 HRS.  DRLG./24 HRS/:20.5 HRS./CUM.:646.5 HRS.\\FUEL DELS./24 HRS.:0 GALS./CUM.:66154 GALS.\\608.0 CUM. ROT. HRS. ON BHA SINCE LAST INSP.

**OPERATION SUMMARY REPORT**

JUN 13

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 33 TO REPORT No. 45

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
06/06/94	10047	05:00 03:45	<p>\\MTR. SN. 800-147/42.0 HRS. DRLG./48.75 HRS. ON PUMP\\MWD TOOL/35.0 HRS. ON PUMP/41.25 HRS. IN HOLE\\CORR. RING #M35 @ TOP OF DCS; IN @ 0800 HRS. 5/31/94 @ 8957'; 117.0 CUM. HRS. OF EXP./CORR. RING #D1015 @ SAVER SUB; IN @ 1100 HRS. 5/31/94 @ 8957'; 114.0 CUM. HRS. OF EXP.</p> <p>WEATHER: CLEAR, CALM, 40 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. &amp; ACCESS: GOOD                      DRILL &amp; SURVEY 9863-10047'                      DRILL ROTATE - 82'/10.3 FPH                      DRILL SLIDE - 102'/8.5- FPH                      MWD SURVEYS                      SHORT TRIPS</p> <p>SLIDE: 9863-9878' 30 MAG. \\ ROTATE: 9878-9890'                      SLIDE: 9890-9905' 30-50 MAG. \\ ROTATE: 9905-9921'                      SLIDE: 9921-9942' 20R \\ ROTATE: 9942-9952'                      SLIDE: 9952-9971' 20R \\ ROTATE: 9971-9984'                      SLIDE: 9984-9999' 40R \\ ROTATE: 9999-10015'                      SLIDE: 10015-10032' 30R \\ ROTATE: 10032-10047'</p> <p>RAN SHORT TRIP 9752-8790'. NO TIGHT SPOTS\\REACHED INTERMEDIATE CASING POINT OF 10047' @ 0330 HRS. 6/6/94.</p> <p>03:45 05:00 CIRCULATE - BOTTOMS UP PRIOR TO SHORT TRIP</p> <p>PUMP PRESSURES: 2200 PSI (OFF BOTTOM), 2400 PSI (SLIDING), 2350 PSI (ROTATING)\\NO MUD LOSSES OR GAINS LAST 24 HRS.\\NO INCREASE IN METAL OBSERVED IN CUTTINGS LAST 24 HRS,\\TOP OF LEEDS CREEK @ 9978' MD.\\SURVEY SHOWN @ 10047' IS PROJECTED TO BIT!!!</p> <p>DRLG./24 HRS.:20.0 HRS./CUM.:666.5 HRS.\\FUEL DELS./24 HRS.:0 GALS./CUM.:66154 GALS.\\616.0 CUM. ROT. HRS. ON BHA SINCE LAST INSPECTION\\MTR. SN. 800-147/62.0 HRS. DRLG./71.75 HRS. ON PUMP\\MWD TOOL/58.0 HRS. ON PUMP/65.25 HRS. IN HOLE\\CORR. RING #M35 @ TOP OF DCS; IN @ 0800 HRS. 5/31/94 @ 8957'; 141.0 CUM. HRS. OF EXP./CORR. RING #D1015 @ SAVER SUB; IN @ 1100 HRS. 5/31/94 @ 8957'; 138.0 CUM. HRS. OF EXP.</p> <p>WEATHER: PARTLY CLOUDY, CALM, 51 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. &amp; ACCESS: GOOD                      SHORT TRIP - 20 STANDS TO 8200'. NO TIGHT SPOTS OR FILL.</p>
06/07/94	10047	05:00 06:00	<p>06:00 08:30 CIRCULATE - PRIOR TO TOH TO RUN CASING. PUMP GEL/POLY SWEEP, CIRC. OUT, PUMP TRIP SLUG.</p> <p>08:30 12:30 TOH - WITH DRILLPIPE TO RUN CASING. NO TIGHT SPOTS. SLM - NO CORR.</p> <p>12:30 13:30 SLIP &amp; CUT DRILL LINE - 110'</p> <p>13:30 18:00 PU/LD BHA &amp; TOOLS - RU LAYDOWN UNIT. LAY DOWN</p>

## OPERATION SUMMARY REPORT

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 33 TO REPORT No. 45

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		18:00 22:30	DCS. & DIRECTIONAL TOOLS. LD/PU DRILL PIPE/TBG. - 7 3/4" CENTRALIZERS FOR CASING TO BE RUN IN SALT SECTION & BEING AIR FREIGHTED TO SALT LAKE DELAYED IN ARRIVING. BEGIN TIH W/DRILLPIPE & LAYING DOWN SAME WHILE WAITING ON CENTRALIZERS.
		22:30 05:00	RUN/RETRIEVE CASING - RU CASING CREW & BEGIN RUNNING 7 3/4" & 7 5/8" INTERMEDIATE CASING STRING.
			NO MUD LOSSES OR GAINS LAST 24 HRS.\\NOTIFIED UTAH DEPT. OF NATURAL RESOURCES (JIM THOMPSON) @ 1610 HRS. 6/6/94 OF INTENTION TO RUN & CEMENT INTERMED. CASING & NU/TEST BOPS\\RELEASED SPERRY SUN @ 1800 HRS. 6/6/94\\LOGRITE ON STANDBY @ 0800 HRS. 6/6/94.
			DRLG./24 HRS.:0 HRS./CUM.:666.5 HRS.\\FUEL DELS./24 HRS.:7420 GALS./CUM.:73574 GALS.\\616.0 CUM. ROT. HRS. ON BHA SINCE LAST INSPECTION.\\CORR. RING #M32 @ TOP OF DCS; IN @ 0800 HRS. 5/31/94 @ 8957', OUT @ 1200 HRS. 6/6/94 @ 10047'; 148.0 CUM. HRS. OF EXP./CORR. RING #D1015 @ SAVER SUB; IN @ 1100 HRS. 5/31/94 @ 8957', OUT @ 1200 HRS. 6/6/94 @ 10047'; 145.0 CUM. HRS. OF EXP.
06/08/94	10047	05:00 12:00	WEATHER: LT. RAIN, CALM, 39 DEG. F., TRACE OF NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: GOOD RUN CASING - FINISH RUNNING 86 JTS., 7 3/4", 46.1#, Q-125, LTC CASING & 147 JTS., 7 5/8", 29.7#, P-110/NSS95 BT CASING. SHOE SET @ 10047', STAGE TOOL SET @ 6312'. UTILIZED 2 POSITIVE STAND OFF CENTRALIZERS ON BOTTOM SHOE JT., 2 BOW SPRING CENTRALIZERS/JT. THROUGH SALT SECTION 8936-9495', AND ONE BOW SPRING CENTRALIZER ABOVE & BELOW STAGE TOOL.
		12:00 14:00	CIRCULATE - RU CEMENTING HEAD, CIRCULATE 1 FULL DISPLACEMENT OF CASING STRING, RD CASING CREW/ RU DS WHILE CIRCULATING.
		14:00 24:00	CEMENTING - CEMENT 7 3/4"/7 5/8" CASING STRING IN 2 STAGES WITH FIRST STAGE CONSISTING OF 150 BBLs. SALT WATER PREFLUSH, FOLLOWED BY 20 BBLs. WATER SPACER, FOLLOWED BY 20 BBLs. CW 100, & 955 SX. BATCH MIXED CLASS 'G' CEMENT W/24% SALT, 0.75 GAL./SK. D604AM SALT BONDII, & .03 GAL./SK. M45 DEFOAMER. DISPLACED W/150 BBLs. WATER, FOLLOWED BY 293 BBLs. MUD @ 10 BPM. CIP @ 1830 HRS. 6/7/94. GOOD CIRC. THROUGHOUT JOB, PLUG DID NOT BUMP, DID NOT DISPLACE OVER CALC'D VOL., FLOATS HELD OK. DROPPED BOMB TO OPEN STAGE TOOL, WAITED 35 MIN., TOOL OPENED, CIRCULATE EST'D BOTTOMS UP VOL. OF 450 BBLs, REC'D TRACE OF CEMENT @ SURFACE. CEMENT SECOND STAGE WITH 20 BBLs. WATER SPACER, FOLLOWED BY 650 SX. 35:65 POZ: CLASS 'G' CEMENT W/6.0% D20 EXTENDER, 1/4 PPS CELLOFLAKE, & 0.5% D800 RETARDER, FOLLOWED BY 250 SX. CLASS 'G' CEMENT W/0.3% D800 RETARDER.

**OPERATION SUMMARY REPORT**

JUN 13

WELLNAME :UPRR 17-2H  
 AFE No. :017078  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 33 TO REPORT No. 45

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		24:00 04:00	DISPLACED WITH 290 BBLs. WATER @ 8 BPM. CIP @ 2230 HRS. 6/7/94. GOOD CIRC. THROUGHOUT JOB, BUMPED PLUG WITH 1200 PSI OVER DISPLACEMENT PRESS., @ 0 BBLs. OVER CALC'D VOL. STAGE TOOL CLOSED & HELD OK. R/D DS.
		04:00 05:00	ND BOP - ND & LIFT UP BOP, INSTALL & SET SLIPS WITH 100% OF AFTER CEMENTING STRING WT. OF 320M#. FINISH ND BOP.
			CUT OFF CASING - RU WELDER, BEGIN CUTTING OFF 7 5/8" CASING.
			DRLG./24 HRS.:0.0 HRS./CUM.:666.5 HRS.\\FUEL DELS./24 HRS.:0 GALS./CUM.:73574 GALS. WEATHER: PARTLY CLOUDY, CALM, 35 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: OK
			\\/\\/NOTE: THIS REPORT IS A REVISION SHOWING A CHANGE IN THE TYPE OF INTERMEDIATE CASING RUN & REPLACES ANY OTHER REPORTS PREVIOUSLY SENT FOR THIS DATE\\/\\/
06/09/94	10047	05:00 06:00	CUT OFF CASING - FINISH CUTTING OFF & BEVELING 7 5/8" CASING. BEGIN DUMPING & CLEANING MUD TANKS.
		06:00 14:00	NU BOP - INSTALL 11", 3M# X 7 1/16", 5M# TUBING SPOOL. TEST TO 3500 PSI FOR 15 MINS. - OK. NU 13 5/8", 5M# BOP STACK. CHANGE OUT PIPE RAMS.
		14:00 21:00	TEST BOPS - RU DOUBLE JACK. TEST BLIND & RAMS, CHOKE MANIFOLD, CHOKE LINE, KILL LINE, CHOKE, & ALL FLOOR VALVES TO 250 PSI FOR 5 MINS. & 3500 PSI FOR 10 MINS. - ALL OK. TEST ANNULAR BOP TO 250 PSI FOR 5 MINS. & 1500 PSI FOR 10 MINS. - OK. CLOSING TIME ON RAMS: 6 SECS./ ANNULAR: 13 SECS. RD TESTER.
		21:00 22:30	NU ROTATING HEAD - NU AZ GRANT DHS 1400 ROTATING HEAD, FLOWLINE VALVE, & FLOWLINE.
		22:30 04:00	LD DRILL PIPE - TIH WITH REMAINING 5" DRILLPIPE STANDING IN DERRICK & LD SAME.
		04:00 05:00	PU DRILL PIPE - LD 5" HANDLING TOOLS, RU FLOOR FOR SLIMHOLE STRING, START MOVING SLIMHOLE STRING TO RIG PIPE RACKS TO BEGIN PICKING UP.
			DRLG./24 HRS.:0.0 HRS./CUM.:666.5 HRS.\\FUEL DELS./24 HRS.:0 GALS./CUM.:73574 GALS. WEATHER: CLEAR, CALM, 35 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: GOOD
06/10/94	10047	05:00 15:45	PU DRILL PIPE - PICK UP 4 3/4" DCS & 4" DRILLPIPE & TIH W/SAME. TAG CEMENT ABOVE STAGE TOOL @ 6290'.
		15:45 18:30	DRILL CEMENT/FLOAT EQUIP. - DRILL FIRM CEMENT & STAGE TOOL 6290-6315'. REAM UNTIL CLEAR, PU & REAM 2 ADD'L JTS. TO 6380'.
		18:30 18:45	TEST CASING - PRESSURE TEST STAGE TOOL TO 1000 PSI - OK.
		18:45 22:00	PU DRILL PIPE - CONTINUE PICKING UP 4" DRILLPIPE & TIH. TAG CEMENT ABOVE FLOAT SHOE @ 9623'.

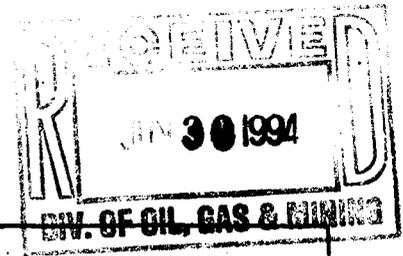
OPERATION SUMMARY REPORT

WELLNAME :UPRR 17-2H  
AFE No. :017078  
FIELD :ELKHORN UTAH

WELL No. :  
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SUMMARY OF OPERATIONS FROM REPORT No. 33 TO REPORT No. 45

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		22:00 05:00	DRILL CEMENT/FLOAT EQUIP. - DRILL SOFT TO MED. CEMENT, FLOAT COLLAR, & ADDITIONAL CEMENT 9623-9983'.  DRLG./24 HRS.:0.0 HRS./CUM.:666.5 HRS.\\FUEL DELS./24 HRS.:0 GALS./CUM.:73574 GALS.  WEATHER: CLEAR, CALM, 38 DEG. F., NO NEW PRECIP. LAST 24 HRS./LOC. & ACCESS: GOOD



REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

1. Well name and number: UPRR 17-2H  
API number: 43-043-30304
2. Well location: 00 SW/4W section 17 township 2N range 7E county SUMMIT
3. Well operator: UNION PACIFIC Resources  
Address: P.O. Box 7 phone: 817-877-6000  
FT. WORTH, TX. 79101
4. Drilling contractor: SST ENERGY INC.  
Address: 999 18th ST. STE 1690 phone: 303-293-8188  
Denver Co. 80202

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
6959	6964	145# SICP	NO SAMPLE, SUSPECT FRESH AS MUD DIDN'T FLACULATE.

6. Formation tops: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name \_\_\_\_\_ Signature \_\_\_\_\_  
 Title \_\_\_\_\_ Date \_\_\_\_\_

Comments: WATER OUT OF STUMP, 256' Deeper THAN ANTICIPATED  
 60"

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
CEMENTING OPERATIONS

COMPANY NAME: UPRR API NO: 43-043-30304

WELL NAME: UPRR 17-2H

QTR/QTR SW/SW SECTION 17 TOWNSHIP 2N RANGE 7E

CEMENTING COMPANY: DOWELL WELL SIGN: Y

INSPECTOR: FRM DATE: 5/3/94

CEMENTING OPERATIONS: PLUGBACK:        SQUEEZE:        P&A ZONE:       

SURFACE CASING: X INTERMEDIATE:        PROD CASING:       

PERFORATIONS:        SQUEEZE PRESSURE:       

CASING INFORMATION:

SIZE: 10 3/4" GRADE: 45.5 #-K-55 HOLE SIZE: 14 3/4" DEPTH: 2001'

SLURRY INFORMATION:

1. CLASS: CLASS "G" 35/65 POZ +ADDITIVE  
LEAD: 1210 SX TAIL: 250 SX 120% EXCESS

2. SLURRY WEIGHT LBS. PER GALLON:  
LEAD: 12.7 TAIL: 15.8

3. WATER (GAL/SX)  
LEAD: 9.44 TAIL: 5.02

4. COMPRESSIVE STRENGTH:  
PSI @        HRS.        HRS

PIPE CENTRALIZED: YES CEMENTING STAGES: 1

LOST RETURNS: MIN REGAIN RETURNS:        BARRELS LOST:       

TOP OF CEMENT:        PERFORATED INTERVAL:       

PRIMARY CEMENT TO SURFACE: YES

1 INCH INFORMATION: WEIGHT:        CEMENT TO SURFACE: Y

FEET:        SX:        CLASS:        %SALTS:        RETURNS:       

ADDITIONAL COMMENTS: RETURNS WHILE CEMENTING, LOSE OF SOME

RETURNS BUT NEVER LOST ALL.

3 Trad Center  
 Suite 350  
 Salt Lake City, Ut 84180-1203

OPERATOR Union Pacific Resources OPERATOR ACCT. NO. M 9465  
 ADDRESS P.O. Box 7 MS 2603  
Fort Worth TX 76101-0007

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					00	SC	TP	RG	COUNTY		
A	99999	11647	4304330304	UPRR 17-2H	SW	17	2N	7E	Summit	4-27-94	
WELL 1 COMMENTS: <i>Elkhorn Field Entity added 7-15-94. fee</i> <i>Twin Creek</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS: <i>To: Lisha Cordova</i>											
WELL 4 COMMENTS:											
WELL 5 COMMENTS: <i>Original mailed 7/13/94</i>											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*Carolyn Fluman*  
 Signature  
*As Accountant* 7/13/94  
 Title Date  
 Phone No. 817-877-6467

001

14:27

07/13/94

# SERVICE ORDER

43-043-30304

DS-936-B  
Dowell

TAKING CALL DATE/TIME LOCATION TREATMENT NUMBER  
Rock Springs WY 1509-0265

CUSTOMER UPRC ORDERED BY Bobby Cooper TELEPHONE MOBILE  
Bobby Cooper

TYPE JOB 10 3/4 Surface JOB DATE TIME: ON LOC PLUMP CUSTOMER REP ON LOCATION TELEPHONE MOBILE  
Bobby Cooper

WELL NAME & NUMBER UPRR 17-2 H RERWORK LOCATION S17-T2U-R 7E POOL/FIELD Elkhorn Twin Creek COUNTY/PARISH Summit  
NEW STATE Utah

CONTRACTOR ON SITE SST 56 DS SALES REPRESENTATIVE CUSTOMER ORDER NUMBER

TUBING/DP: SIZE DEPTH MD / TVD WT THREAD TREATMENT VIA: CSG ANN: TYPE: PACKER/RETAINER DEPTH

CASING: 10 3/4 2000' 8rd SERVICE INSTRUCTIONS: Float Shoe

LINER: Float Collar

OPEN HOLE: 14 3/4 BHST BHCT 14 Regular Centralizers

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES	REQUIRED RATE/PRESS.	
	TO				TO				1 Stop Ring
	TO				TO				1 Top Plug
	TO				TO				2 or 3 Thread lock Kits
	TO				TO				OH 2007
	TO				TO				10 3/4 45.5# TP 2006.76
	TO				TO				42.21
DIAMETER OF PERFORATIONS =								MAX PSI ALLOWABLE:	
WELLHEAD CONE: 10 3/4 HMS, 2" Reg, 1" Swage								120% Excess 1964.55	
SPECIAL INSTRUCTIONS/EQUIPMENT:								100' 1" Pipe Displace 189.0	

TRUCKS MUST CHAINED UP BEFORE GOING UP HILL

- SYSTEM DESCRIPTION:
- System 1 1210 SK 35/65 Poz:G, 6% D20, 2% S-1, 1/4#/SK D29
  - System 2 250 SK G, 1% S-1 1/4#/SK D-29
  - System 3 200 SK G, (3% S-1 on the side) for 1" job if needed
  - System 4

Additional Materials:

Directions:

Evanston - Flying J Exit, South under I 80 16 miles to Anchutz Ranch Sign, turn left on gravel road for 6 1/2 miles to Yield Sign, Right 16 1/2 miles to Black Steel Wheel Mail box and SST 56 Sign on the left side of the road, Turn left and follow SST 56 signs for 7 miles to the rig





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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

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

July 7, 1994

Carolyn Fluman  
Union Pacific Resources Co.  
P. O. Box 7 MS 2602  
Fort Worth, Texas 76101-0007

Re: Request for Completed Entity Action Form - UPRR 17-2H  
SWSW Sec. 17, T. 2N, R. 7E - Summit County, Utah

Dear Ms. Fluman:

This is written to remind you that all well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of spudding a new well. This office was notified that your company spudded the UPRR 17-2H well, API Number 43-043-30304, on April 26, 1994. At this time, we have not received an Entity Action Form for this well.

Please review the instructions on the back of the enclosed form. Make sure you choose the proper Action Code to show whether the well will be a single well with its own sales facilities (Code A), a well being added to an existing group of wells having the same tank battery and common division of royalty interest (Code B - show existing Entity Number to which well should be added), or a well being drilled in the participating area of a properly designated unit (Code B). Complete the form and return it to us by July 18, 1994.

Your attention to this matter is appreciated. If we can be of assistance to you, please feel free to call Lisha Cordova at the above number.

Sincerely,

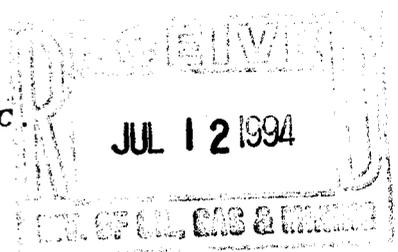
Don Staley  
Administrative Supervisor

lec  
Enclosure  
cc: R. J. Firth  
File



DOUBLE JACK TESTING & SERVICES, INC.

B.O.P. Test Report



B.O.P. test performed on (date) 6-8-94

oil company UPRC

Well Name & Number UPRC 17-2H 43-043-30304

Section 17

Township 2N

Range 7E

County Summit Utah

Billing contactor SSJ 56

oil company site representative Don

big tool pusher Doc

tested out of Evanson

Notified prior to test \_\_\_\_\_

Copies of this test report sent to: UPRC  
SSJ  
BLM  
state

Original chart & test report on file at: \_\_\_\_\_

Evanson

tested by: Double Jack Testing & Services, Inc.  
100 Parkview Road  
P.O. Box 2097  
Evanson, Wyoming 82930

# Double Jack Testing Services Inc.

FIELD TICKET  
No 11403

Accounting Office: P.O. Box 516 Shoshoni, WY 82649 • (307) 876-9390  
 Field Operations: Shoshoni, WY (307) 876-2308  
 Rock Springs, WY (307) 382-4020  
 Evanston, WY (307) 789-9213  
 Vernal, UT (801) 781-0448

DATE 6-9-94  
 OPERATOR VPRC  
 RIG NAME & NO. SST 56  
 WELL NAME & NO. VPRC 17-2H

COUNTY Summit STATE Utah SECTION 17 TOWNSHIP 2N RANGE 7E

**Items Tested:**

	LOW TEST PSI	TIME HELD MINUTES	HIGHEST PSI	TIME HELD MINUTES	
Top Pipe Rams	<u>250 psi</u>	<u>5 min</u>	<u>3500 psi</u>	<u>10 min</u>	Closing Unit PSI <u>3000 psi</u>
Bottom Pipe Rams	<u>—</u>		<u>—</u>		Closing Time of Rams <u>6 sec.</u>
Blind Rams	<u>250 psi</u>		<u>3500 psi</u>		Closing Time of Annular <u>13 sec.</u>
Annular B.O.P.	<u>250 psi</u>		<u>1500 psi</u>		Closed Casing Head Valve <u>YES</u>
Choke Manifold	<u>250 psi</u>		<u>3500 psi</u>		Set Wear Sleeve <u>none</u>
Choke Line	<u>250 psi</u>		<u>3500 psi</u>		COMMENTS
Kill Line	<u>250 psi</u>		<u>3500 psi</u>		
Super Choke	<u>250 psi</u>		<u>3500 psi</u>		
Upper Kelly	<u>250 psi</u>		<u>3500 psi</u>		
Lower Kelly	<u>250 psi</u>		<u>3500 psi</u>		
Floor Valve	<u>250 psi</u>		<u>3500 psi</u>		
Dart Valve	<u>250 psi</u>		<u>3500 psi</u>		
Casing	<u>—</u>		<u>—</u>		

**ADDITIONAL TESTS & COMMENTS**

AFC # 17078

TEST PLUG 7/16 C-22  
 RET. TOOL 3/4 Male  
 TOP SUB. 3/4 Male  
 KELLY SUB. 5/2 Male  
 X-OVER SUB. \_\_\_\_\_

DATES

COMPANY

LEASE AND WELL NAME #

DATE OF TEST

RIG # AND NAME

UPRC

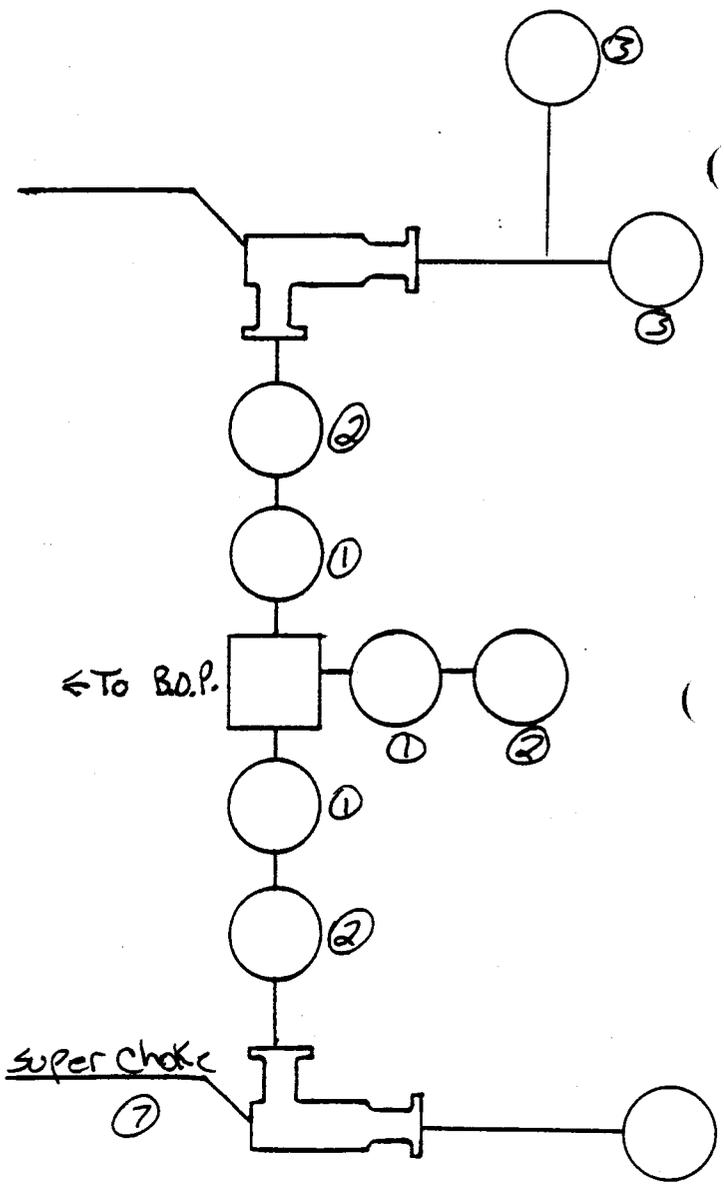
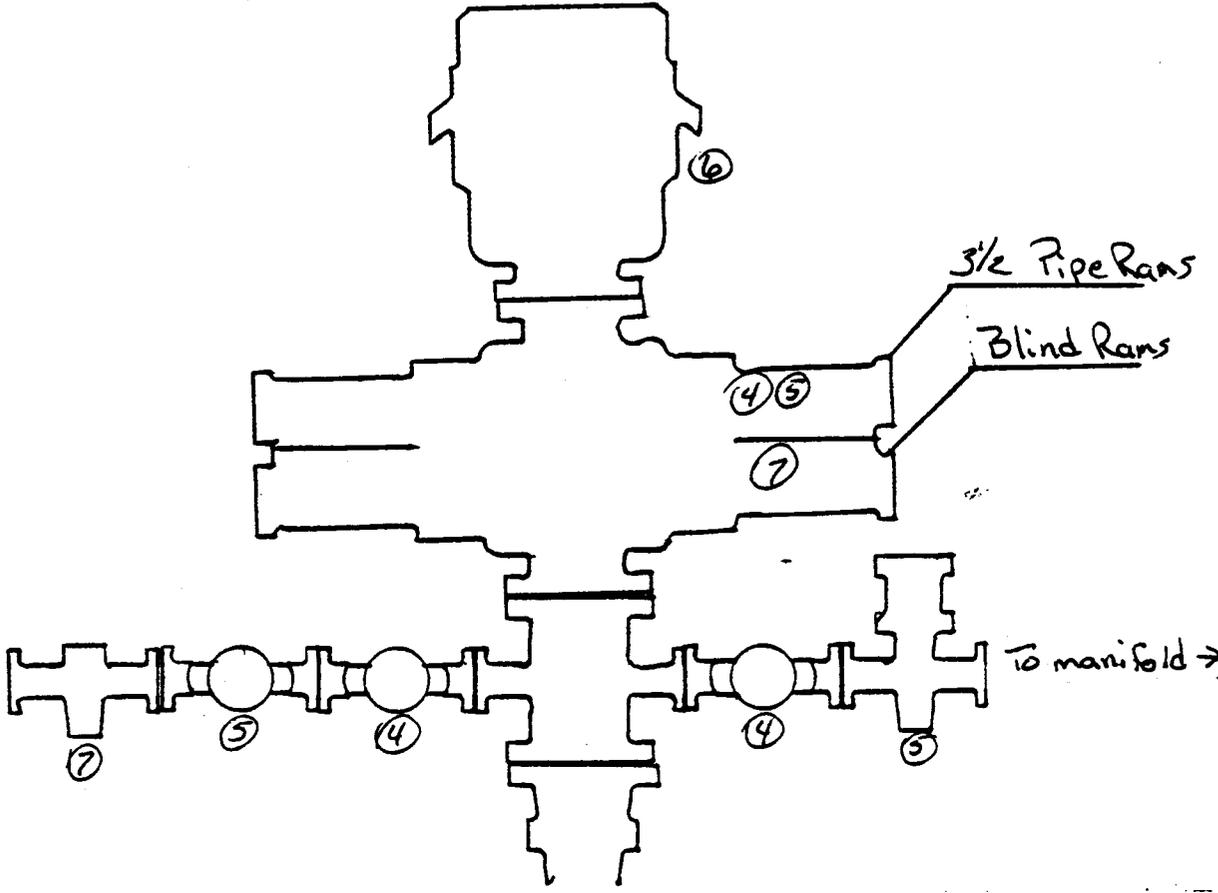
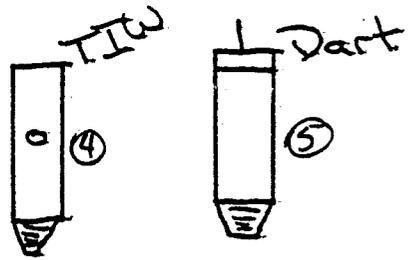
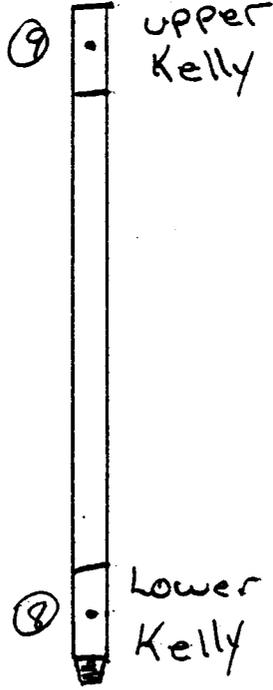
UPRC 17-2H

6-8-94

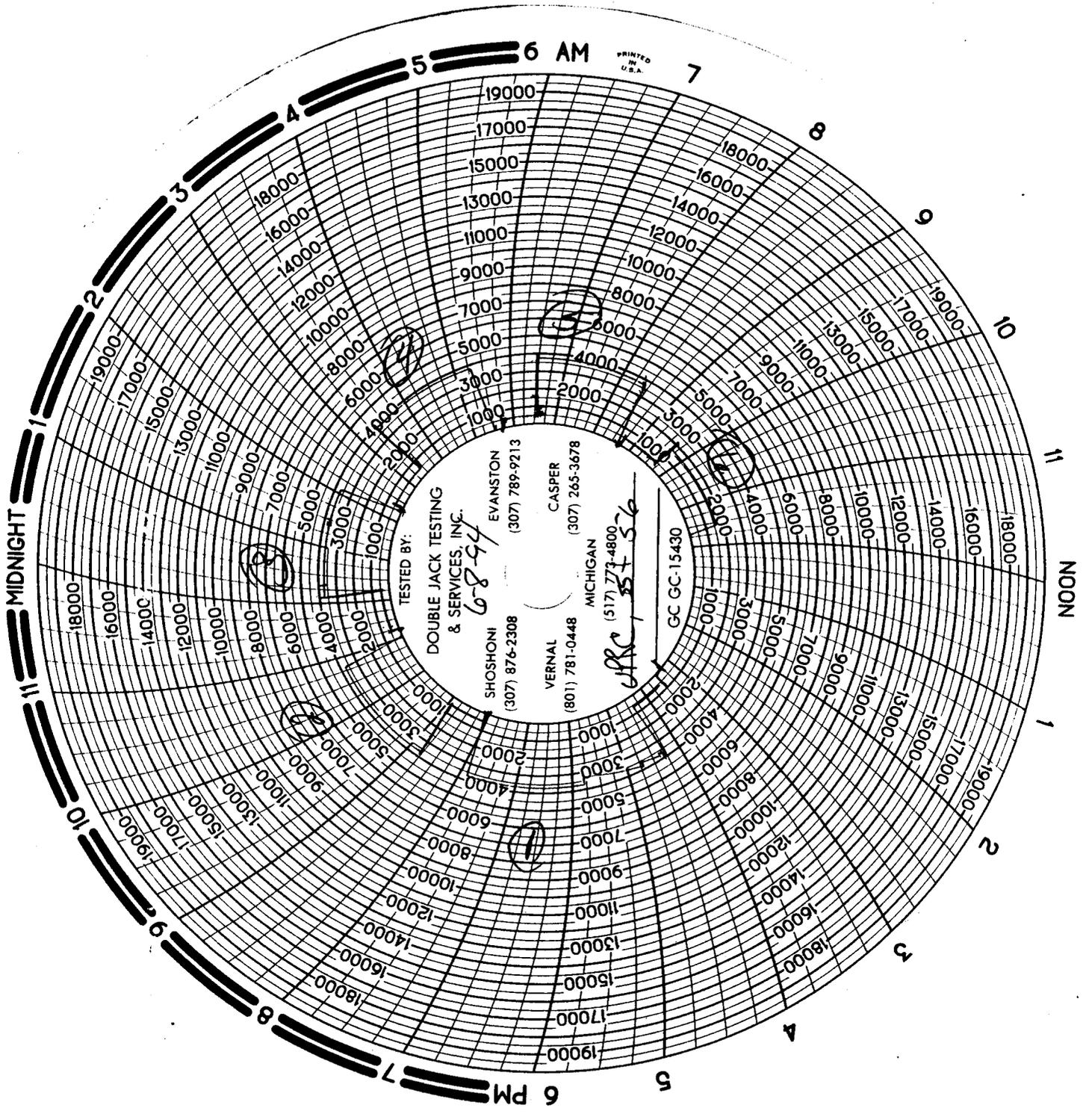
551 # 36

EST # TIME

①	2:00 - 2:05	1 <sup>st</sup> set of manifold valves	
	2:10 - 2:20	250 psi 5 min	3500 psi 10 min.
②	2:25 - 2:30	2 <sup>nd</sup> set of manifold valves	
	2:30 - 2:40	250 psi 5 min	3500 psi 10 min
③	2:45 - 2:50	3 <sup>rd</sup> set of manifold valves	
	2:50 - 3:00	250 psi 5 min	3500 psi 10 min.
④	3:50 - 3:55	Pipe Rams, inside Kill, inside choke, TIW	
	3:55 - 4:05	250 psi 5 min.	3500 psi 10 min.
⑤	4:15 - 4:20	Pipe Rams, outside Kill, HCT, Dart	
	4:20 - 4:30	250 psi 5 min.	3500 psi 10 min.
⑥	4:35 - 4:40	HyDril	
	4:40 - 4:50	250 psi 5 min.	1500 psi 10 min.
⑦	4:55 - 5:00	Blind Rams, check, super choke	
	5:00 - 5:10	250 psi 5 min.	3500 psi 10 min.
⑧	8:00 - 8:05	lower Kelly	
	8:05 - 8:15	250 psi 5 min.	3500 psi 10 min.
⑨	8:20 - 8:25	upper Kelly	
	8:30 - 8:40	250 psi 5 min.	3500 psi 10 min.

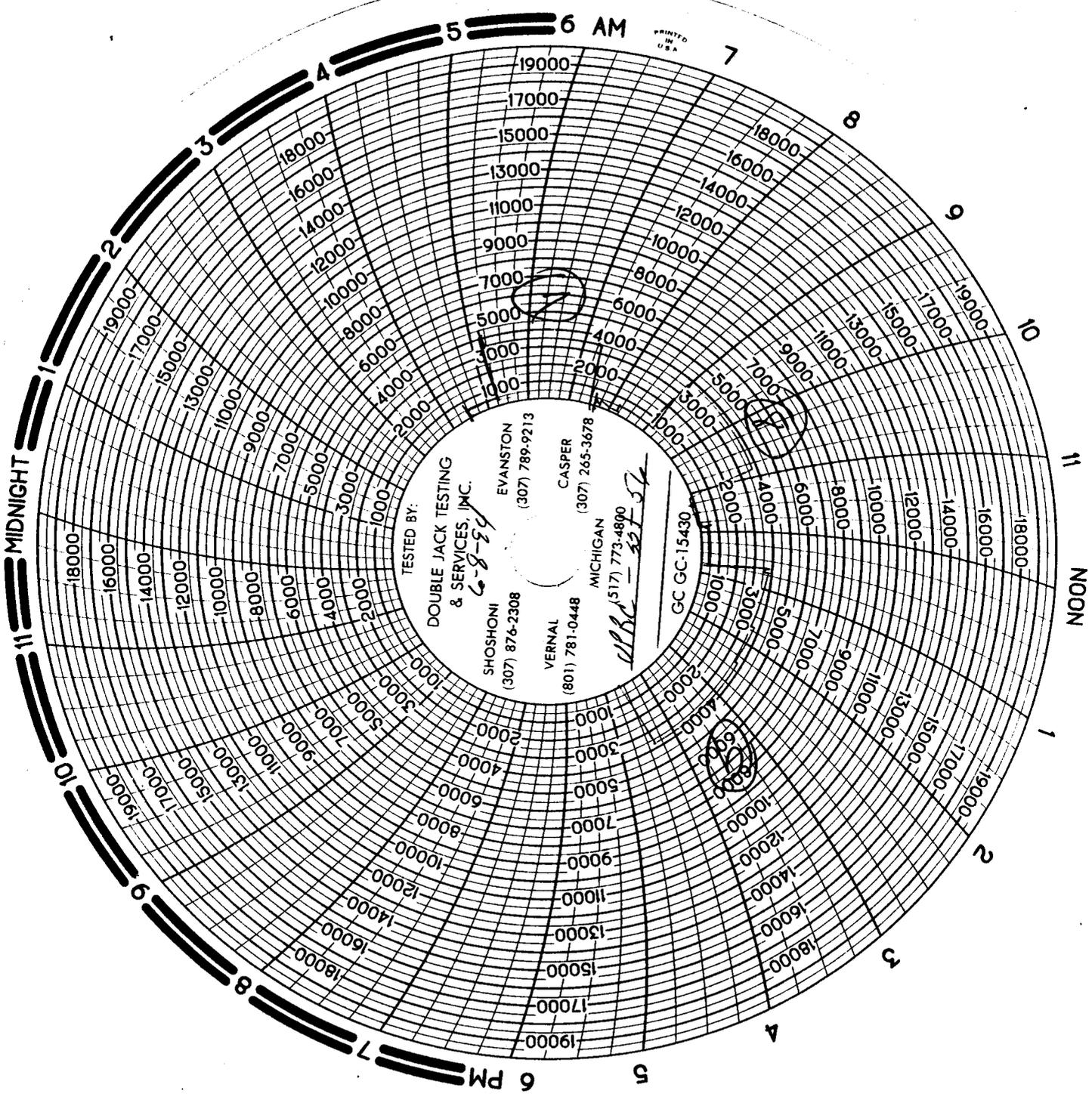


PRINTED  
IN  
U.S.A.



TESTED BY:  
**DOUBLE JACK TESTING & SERVICES, INC.**  
 6-8-94  
 SHOSHONI EVANSTON (307) 789-9213  
 (307) 876-2308  
 VERNAL CASPER (307) 265-3678  
 (801) 781-0448  
 MICHIGAN  
 (517) 774-4800  
 GC GC-15430

PRINTED  
IN  
U.S.A.



TESTED BY:  
DOUBLE JACK TESTING  
& SERVICES, INC.  
6-8-52

SHOSHONI (307) 876-2308  
EVANSTON (307) 789-9213  
VERNAL (801) 781-0448  
CASPER (307) 265-3678  
MICHIGAN (517) 773-4890

GC GC-15430

3 Truad Center  
Suite 350  
Salt Lake City, Ut 84180-1203

OPERATOR Union Pacific Resources OPERATOR ACCT. NO. 11 9465  
ADDRESS P.O. Box 7 MS 2603  
Fort Worth TX 76101-0007

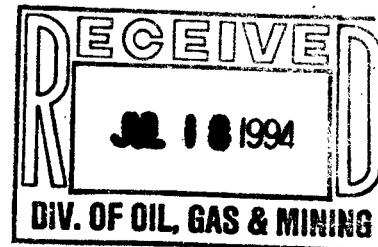
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A			4304330304	UPRR 17-2H	SW	17	2N	7E	Summit	4-27-94	
WELL 1 COMMENTS: <i>Elkhorn Field Entity added 7-15-94. p</i> <i>Twin Creek Lec</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

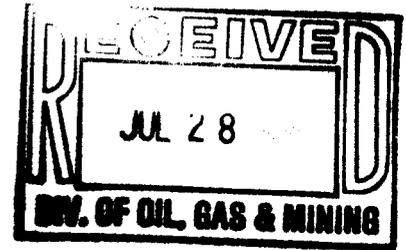
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



*Carolyn Fluman*  
Signature  
*As Accountant 7/13/94*  
Date  
Phone No. 817 877-6467



UNION PACIFIC RESOURCES COMPANY

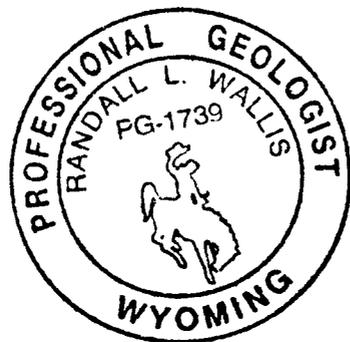
UPRR 17-2H

663' FWL 825' FSL of Section 17, T 2N, R 7E  
Summit County, Utah  
July 5, 1994

Respectfully Submitted by:

*Randy Wallis*

Randy Wallis  
737 4th Avenue West  
Rock Springs, WY 82901



MICROFICHE

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**WELL DATA SUMMARY**

Operator: Union Pacific Resources Company

Well: UPRR 17-2H

Surface Location: 663' FWL, 825' FSL, Section 17, T 2N, R 7E  
Summit County, Utah

Hole Bottom Location: 3975' FWL, 4229' FSL Section 17, T 2N, R 7E

TVD at TD: 11061.5'

Vertical Section: 4747'

Elevation: Ground Level: 6922 feet  
Kelly Bushing: 6946 feet

Company Personnel: Ross Matthews, Geologist, Fort Worth, Texas  
Bill Charles, Engineer, Fort Worth, Texas

Drilling Foreman: Don Presenkowski  
Bobby Cooper

Well-site Geologist: Randy Wallis, Rock Springs, Wyoming

Mud Logging: Log Rite Well Logging, Ft. Collins, Colorado  
Lesley Wallis, Shawn Lacey

Drilling Contractor: SST Rig 56  
Tool pusher: Doc Asay

Drilling Fluids: Baroid Drilling Fluids, Denver, Colorado  
Carlos Bassett, Leon Berg  
LSND to 6800', brine water to 15025'

MWD: Sperry Sun, Casper, Wyoming  
Gordon Kessel, John Gabrielson

Directional: Sperry Sun, Casper, Wyoming  
Paul Davis, Brian Ballard

Surface Casing: 10 3/4" at 2007'

Intermediate Casing: 7 5/8" at 10046'

Production: 4 1/2" at 15025', pre-perforated

**Spud:** 11:00 hrs 4/26/94

**Total Depth:** 15025', 16:00 hrs 6/30/94

**Well Status:** Flow-Test Rich Member of Twin Creek

**Cores:** None

**Drill Stem Tests:** None

**Logging Company:** Schlumberger  
**Electric Logs Run:** Formation Micro Scan

**Offset Well:** Exxon  
UPRC #1  
2335' FNL, 2052' FWL, Sec. 17, T 2N, R 7E

## Daily Drilling Summary

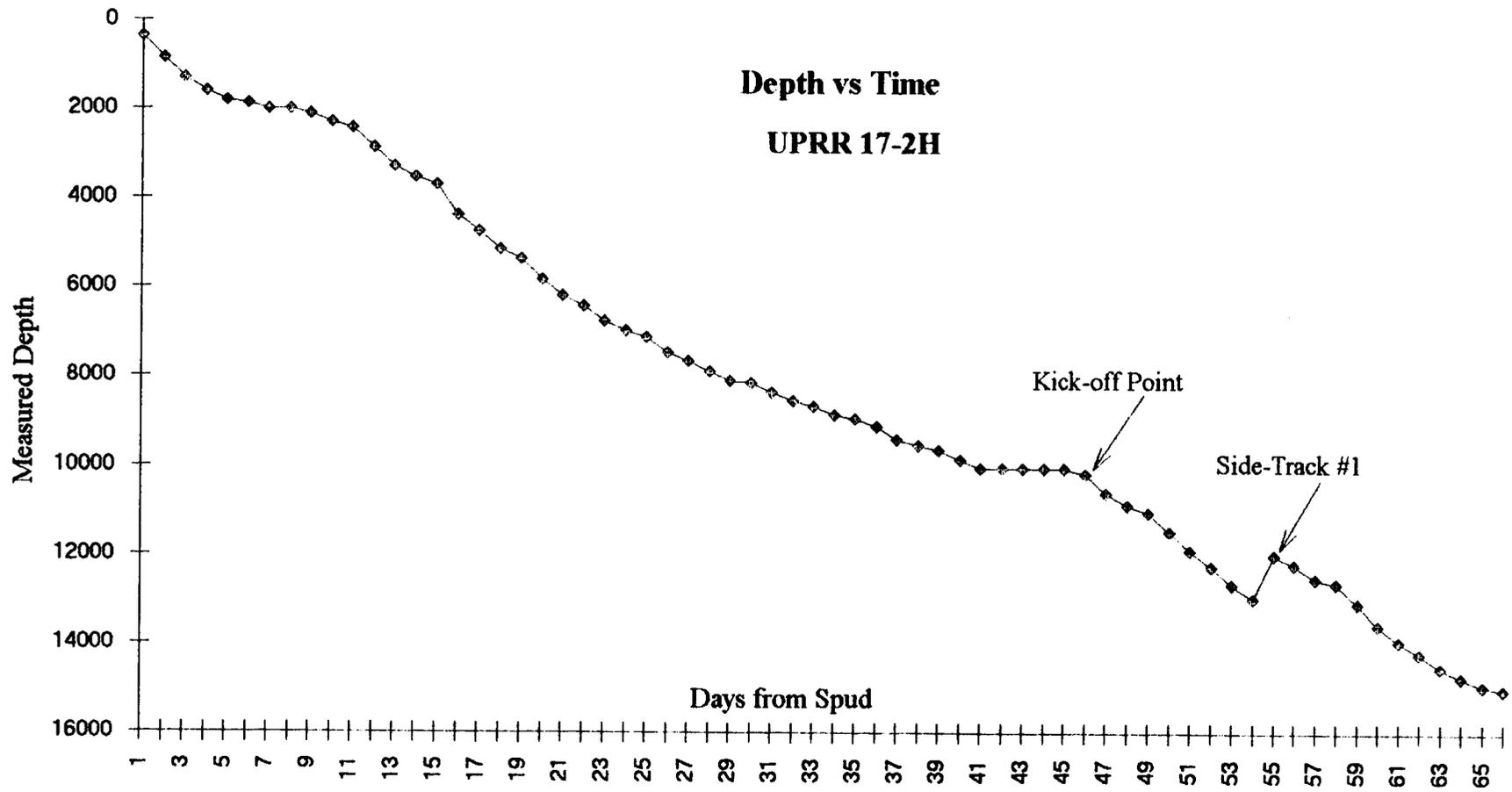
Day	Date	Depth	Progress	Drilling Hours	Activity
1	4/27	382	382	17 1/4	Spud 11:00 a.m. on 4/26, drill to 382'.
2	4/28	861	479	19	Drill to 671', bit trip, drill to 479'.
3	4/29	1312	451	19 3/4	Drill to 866', bit trip, drill to 1312'.
4	4/30	1607	295	17 1/2	Drill to 1522', bit trip, drill to 1607'.
5	5/1	1822	215	17 1/2	Drill to 1770', bit trip, W & R 40', drill to 1822'.
6	5/2	1869	47	4 1/4	Drill to 1869', bit trip, W&R 310', short trip 14 stds., trip to rig up Sperry Sun.
7	5/3	2007	138	10	Orient tool face, drill to 2007', circ. & condition for casing, trip out.
8	5/4	2007	0	0	Pick up & run 10 3/4" casing, wait on cement 3 hours, cut off conductor, NU BOP, test choke manifold and choke lines.
9	5/5	2119	112	8 3/4	Test BOP, drill out cement, test casing to 1000 Psi, drill to 2016, bit trip, drill to 2119'.
10	5/6	2303	184	11	Drill to 2303', bit trip, wash & ream 302'.
11	5/7	2423	120	7	Finish wash & ream to bottom, change bit, wash & ream 2020-2110', trip to change out MWD tool, wash & ream 2110-2303', drill to 2423'.
12	5/8	2867	444	21 3/4	Drill to 2867'.
13	5/9	3305	438	22 1/4	Drill to 3305'.
14	5/10	3540	235	13 1/2	Drill to 3540', bit trip, pick up mud motor.
15	5/11	3699	426	19 3/4	Drill to 3699', minor rig repairs.
16	5/12	4393	427	22 1/4	Drill to 4393'.
17	5/13	4749	356	22 3/4	Drill to 4749'.
18	5/14	5149	400	22 3/4	Drill to 5149'.
19	5/15	5372	223	13 1/2	Drill to 5203', bit trip, wash 6' to bottom, drill to 5372'.
20	5/16	5824	452	22 3/4	Drill to 5824'.
21	5/17	6191	367	23 1/4	Drill to 6191'.
22	5/18	6413	222	14 1/4	Drill to 6223', bit trip, drill to 6413'.
23	5/19	6772	359	23 1/4	Drill to 6772'.
24	5/20	6970	198	12 3/4	Drill to 6970', encounter water flow, weight-up with salt to kill flow.
25	5/21	7131	161	9 1/4	Finish weight-up to 10.0, drill to 7079', bit trip, drill to 7131'.
26	5/22	7474	343	22 1/2	Drill to 7474'.

## Daily Drilling Summary

Day	Date	Depth	Progress	Drilling Hours	Activity
27	5/23	7645	171	15 3/4	Drill to 7497', bit trip, wash & ream 74' to bottom, drill to 7645'.
28	5/24	7884	239	19 3/4	Drill to 7884'
29	5/25	8096	212	21 1/2	Drill to 8096'
30	5/26	8133	37	5	Drill to 8103, bit trip, drill to 8133, trip for mud mtr
31	5/27	8359	226	22 1/2	Finish trip, drill to 8359'
32	5/28	8554	195	21	Drill to 8554'
33	5/29	8677	123	14	Drill to 8563', bit trip, drill to 8677'
34	5/30	8868	191	21 3/4	Drill to 8868'
35	5/31	8957	89	7	Drill to 8894', bit trip, drill to 8957', trip out to lay down mud motor.
36	6/1	9116	159	13 3/4	Finish trip, drill to 9084', trip out 44 stands for hole in pipe, wash/ream 60', drill to 9116
37	6/2	9422	306	21 1/4	Drill to 9422', several short trips
38	6/3	9547	125	11	Drill to 9503', bit trip & pick up mud motor, drill to 9547'
39	6/4	9660	113	11 1/4	Trip out at 9547 to repair MWD tool, drill to 9660'
40	6/5	9863	203	20 1/2	Drill to 9863', several short trips
41	6/6	10047	184	20	Drill to 10047', circulate for casing point
42	6/7	10047	0	0	Circ. and trip out , lay down pipe, run 7 5/8" & 7 3/4" intermediate casing
43	6/8	10047	0	0	Run casing, circulate, cement casing (2 stages) nipple down BOP, cut off casing
44	6/9	10047	0	0	Nipple up BOP, test BOP, install rotating head, Lay down drill pipe, pick up slim-hole drill pipe
45	6/10	10047	0	0	Pick up slim-hole drill pipe, drill cement, test casing to 1000 PSI, drill cement.
46	6/11	10174	127	8 1/4	Drill cement, test casing, drill 6' new formation, trip for bit, drill to 10174'
47	6/12	10598	424	21 3/4	Drill to 10598', building angle
48	6/13	10887	289	21 1/4	Drill 10887', building angle
49	6/14	11047	160	9 3/4	Drill to 10939', trip for bit/mud mtr, drill to 11047'
50	6/15	11474	427	19.5	Drill to 11474'
51	6/16	11900	426	20 3/4	Drill to 11900'
52	6/17	12264	364	20	Drill to 12264'
53	6/18	12669	405	20 1/2	Drill to 12669'
54	6/19	12978	309	18.5	Drill to 12722', short trip 30 stands, drill to 12978'

## Daily Drilling Summary

Day	Date	Depth	Progress	Drilling Hours	Activity
55	6/20	12018	-960	20 1/2	Drill to 13131, pull back to 12000', time-drill to 12018', begin Side-track #1
56	6/21	12217	199	22	Time drill to 12064', drill to 12217'
57	6/22	12540	323	20 1/4	Drill to 12540'
58	6/23	12645	105	7 3/4	Drill to 12645', trip for MWD repairs
59	6/24	13101	456	14 3/4	Trip in, drill to 13101'
60	6/25	13573	472	21 3/4	Drill to 13573'
61	6/26	13939	366	18 1/4	Drill to 13939', short trip 15 stands
62	6/27	14212	273	21	Drill to 14212'
63	6/28	14545	333	19 1/4	Drill to 14545'
64	6/29	14742	197	18 1/2	Drill to 14742', short trip 15 stands
65	6/30	14940	198	21	Drill to 14940'
66	7/1	15025	85	9 1/2	Drill to 15025' T.D., short trip 55 stands, circulate for FMS logs.



FORMATION TOPS

Formation	Prognosis	Measured Depth	TVD	Subsea
Stump	6402	6330	6319	627
Preuss	7039	7408	7396	-450
Preuss Salt	9042	8936	8923	-1977
Base Salt	9541	9505	9492	-2546
Giraffe Creek	9582	9544	9531	-2585
Leeds Creek	10079	9978	9964	-3018
Watton Canyon	10472	10381	10340	-3394
Boundary Ridge	10665	10631	10506	-3560
Rich	10704	10806	10562	-3616
Boundary Ridge (Btm.)		10890	10564	-3618
Rich		10960	10568	-4014
Boundary Ridge (Btm.)		12400	10630	-5454

## Geological Comments

The UPRR 17-2H was spudded April 26, 1994, the third well of Union Pacific's ongoing **horizontal** development of the Twin Creek Limestone in the Elkhorn and Lodgepole Fields in the Overthrust Region of Utah. The primary zone of interest of the 17-2H was the Rich Member of the Twin Creek, namely the top 30'. This target zone is relatively cleaner than the lower Rich, and therefore more susceptible to fracturing. The horizontal leg of the well bore was planned to follow an azimuth of about 45 degrees, at an angle of 90 degrees to vertical. After 66 days of drilling a Total Depth of 15025' was reached on June 30, 1994. The final True Vertical Depth was 11061', with a Vertical Section of 4747'. The original AFE called for a TD of 16023' and a Vertical Section of about 5400'.

Structurally, the Rich member was thought to be nearly flat along the horizontal section of the well bore, when in reality the dip increased from about 1 degree to almost 11 degrees by the end of the well bore. This changing dip caused the well bore to stray out of the target zone several times, and a pull-back and side-track was executed at one point (losing 1130' of hole) to regain the proper position. The initial contact of the Rich Member caused the bit to "bounce" off the top back into the soft red shales of the overlying Boundary Ridge Member due to the low angle of approach (near 89 degrees). No other major drilling problems or major lost circulation occurred.

No significant faults were detected while drilling, and of the total 4747 feet of vertical section, approximately 3025 feet were in the target zone. An additional 1130 feet was drilled in the lower part of the Rich, just below the target zone. This lower zone, however, also exhibited gas and oil shows suggesting that it could also contribute to the overall productivity of the well.

The 17-2H was drilled using a MWD system to monitor Gamma Ray character, as well as deviation surveys and tool orientation. For most of the horizontal leg, a high-performance mud motor and PDC bit worked efficiently to produce good drill rates while maintaining good steering control. Fresh water/brine water was used throughout the horizontal drilling, also contributing to good penetration rates.

Upon penetration of the target zone, background gas and connection gas peaks began to increase along with traces of oil accumulation on the pits. As drilling progressed, numerous fractures were encountered as interpreted by increases in these gas peaks and oil shows. When the formation just under the target zone was penetrated, a pronounced increase in gases occurred, especially with the connection gas peaks. These peaks began to become larger and more numerous (as many as eight connection gas peaks existed by the end of the well, suggesting at least eight fracture zones were bleeding into the well bore). Also the sub-target formation bled an oil that appeared more brownish, lighter density, and more gaseous than the greenish-brown oil of the target zone.

In conclusion, the 17-2H appears to be successful from the observation of the oil and gas shows, but the lack of lost circulation or actual well flow while drilling suggests limited fracture development. The dip characteristics of this particular region may inhibit the structural flexure needed for good fracture development. The two criteria of lost circulation or well-flow are thought at this point in the overall horizontal program to be very desirable if not critical to make an economically productive well in this region. Actual flow testing of this zone will help prove its productivity and provide valuable data and experience for the planning and evaluation of future wells.

## Bit Record

Bit #	Size	Make	Type	Jets	Depth Out	Feet	Hours	Accum. Hrs.	WOB	RPM	PP	Wt.	Vis.	Formation
1	14 3/4	Reed	Y11JD	18,18,18	671	605	25 1/4	25 1/4	25-30	100	1400	8.9	74	Tertiary
2	14 3/4	Reed	Y11JD	18,18,18	866	195	12	37 1/4	12-40	40-100	1400	9.0	55	Tertiary
3	14 3/4	Reed	V-527	20,20,20	1522	656	32 1/4	69 1/2	18-35	80-130	1400	9.0	56	Tertiary
4	14 3/4	Hughes	J1	24,18,32	1770	248	17	86 1/2	18-35	110-130	1050	9.0	47	Tertiary
5	14 3/4	Smith	DSJ	20,20,20	1869	99	4 1/2	91	18-20	110-130	1300	9.1	49	Tertiary
6	14 3/4	Reed	HP51A	24,24,24	2007	138	10	101	20-30	60-200	1600	9.2	45	Tertiary
7	9 7/8	Reed	HP11	14,14,14,10	2016	9	1/4	101 1/4	30	60	1700	8.9	38	Tertiary
8	9 7/8	Reed	HP43A	15,15,15	2303	287	19 1/2	120 3/4	5-20	80-120	1700	8.8	36	Tertiary
9	9 7/8	Smith	F15	20,20,20	3540	1237	64 1/2	185 1/4	15-20	130-205	1850	8.9	38	Kelvin
10	9 7/8	Hycalog	D556H	-	5208	1668	94	279 1/4	20-30	130-205	2000	9.0	43	Kelvin
11	9 7/8	Reed	HP51A	18,18,18	6223	1015	55 1/2	334 3/4	30-40	125-170	1800	9.1	43	Kelvin
12	9 7/8	Reed	HP51A	20,20,20	7079	856	54 1/2	389 1/4	30-55	87-152	1900	9.1	42	Stump
13	9 7/8	Reed	HP51A	22,22,22	7497	428	28	417 1/4	30-45	40-170	2000	10.0	38	Stump
14	9 7/8	Reed	HP53A	22,22,22	8103	606	57	474 1/4	35-40	88-128	2100	10.0	38	Preuss
15	9 7/8	Reed	HP53A	22,22,22	8563	460	48 3/4	523	35-45	40-80	2100	10.2	37	Preuss
16	9 7/8	Reed	HP53A	22,22,22	8894	331	38	561	35-45	85-125	2100	10.2	38	Preuss
17	9 7/8	Hughes	ATJ-33	12,11,11	9547	653	41	602	35	80-120	2200	10.3	42	Preuss
18	9 7/8	Reed	HP53A	24,24,24	10047	500	51 3/4	653 3/4	35-50	80-120	2300	10.4	44	Giraffe Ck
19	6 1/2	Reed	S31J		10053	6	1/4	654	15-20	40	1600	8.7	27	Leeds Ck
20	6 1/2	Reed	EHP53A	18,18,18	10939	886	56 1/2	710 1/2	15-20	40	1550	8.6	27	Watton, B.R.
21	6 1/2	Hycalog	HX71H	15,15,14	12645	1706	175	885 1/2	15-25	250-300	1700	8.6	27	Rich
22	6 1/2	Hycalog	DS71H	15,15,15	15025	2380	144	1029.5	15-25	250-300	1750	8.7	27	Rich

## Mud Report

Date	Depth	WT (ppg)	Funnel Viscosity	Plastic Viscosity	Yield Point	Gels	pH	Filtrate	Chlorides	Solids %	Calcium
4/27/94	326	8.9	71	17	34	14/10	8.5	13.4	400	4.0	100
4/28/94	857	8.9	74	19	35	12/18	9.0	12.2	500	4.0	100
4/29/94	1291	9.0	55	15	22	4/14	9.0	10.4	1,200	4.5	80
4/30/94	1577	9.0	56	15	24	8/15	9.0	10.4	1,400	4.5	80
5/1/94	1806	9.0	47	15	20	5/11	9.0	10.2	1,600	4.5	60
5/2/94	1869	9.1	49	16	18	6/14	9.0	10.4	1,700	5.5	60
5/3/94	2007	9.2	45	14	17	6/12	9.0	10.0	1,600	6.0	60
5/4/94	2007	9.1	41	13	14	4/10	9.0	10.6	1,500	5.5	60
5/5/94	2102	8.9	38	13	14	3/6	9.5	14.4	1,200	4.0	60
5/6/94	2303	8.8+	36	11	12	3/5	9.5	14.5	1,200	3.5	60
5/7/94	2394	8.8+	34	7	8	2/5	9.5	14.8	1,300	3.5	60
5/8/94	2849	9.0	40	13	14	4/8	9.0	11.5	1,000	4.6	60
5/9/94	3285	8.9	38	10	12	3/7	9.0	10.5	900	4.0	60
5/10/94	3540	8.9	38	10	14	4/9	9.0	10.2	1,000	4.0	60
5/11/94	3920	9.0	39	12	10	2/5	9.0	10.0	1,000	4.5	60
5/12/94	4362	9.0	44	14	12	3/7	9.5	9.8	1,000	4.5	40
5/13/94	4724	9.0	41	12	11	3/6	9.0	11.0	800	4.5	40
5/14/94	5117	9.0+	43	14	10	3/6	9.0	10.1	700	5.0	40
5/15/94	5341	9.0	43	12	11	3/7	9.5	10.5	800	4.6	40
5/16/94	5787	9.1	44	15	11	3/6	9.5	10.2	800	5.0	40
5/17/94	6167	9.1	44	14	11	3/6	9.0	10.0	1,000	5.5	40
5/18/94	6381	9.1+	43	12	10	2/5	9.5	10.2	1,400	5.7	tr.
5/19/94	6731	9.2	40	11	9	2/5	9.5	10.0	1,400	6.4	tr.
5/20/94	6970	9.2	44	10	15	5/12	9.0	11.6	44,000	3.5	160
5/21/94	7084	9.0	41	11	16	4/11	9.0	12.6	143,000	3.2	240
5/22/94	7439	9.9	38	7	11	4/11	9.5	10.8	138,000	2.7	60
5/23/94	7622	9.9+	38	9	11	4/10	9.5	11.6	139,000	3.7	40
5/24/94	7859	10.0	37	9	10	4/10	9.5	11.2	153,000	2.5	100
5/25/94	8085	10.0	38	10	10	4/9	9.5	10.8	144,000	3.2	240
5/26/94	8133	10.0	37	9	10	4/8	9.0	11.6	142,000	3.3	240
5/27/94	8334	10.3	38	11	10	4/8	9.0	11.8	162,000	4.5	120
5/28/94	8533	10.2	39	14	11	4/8	9.5	10.2	168,000	3.2	400

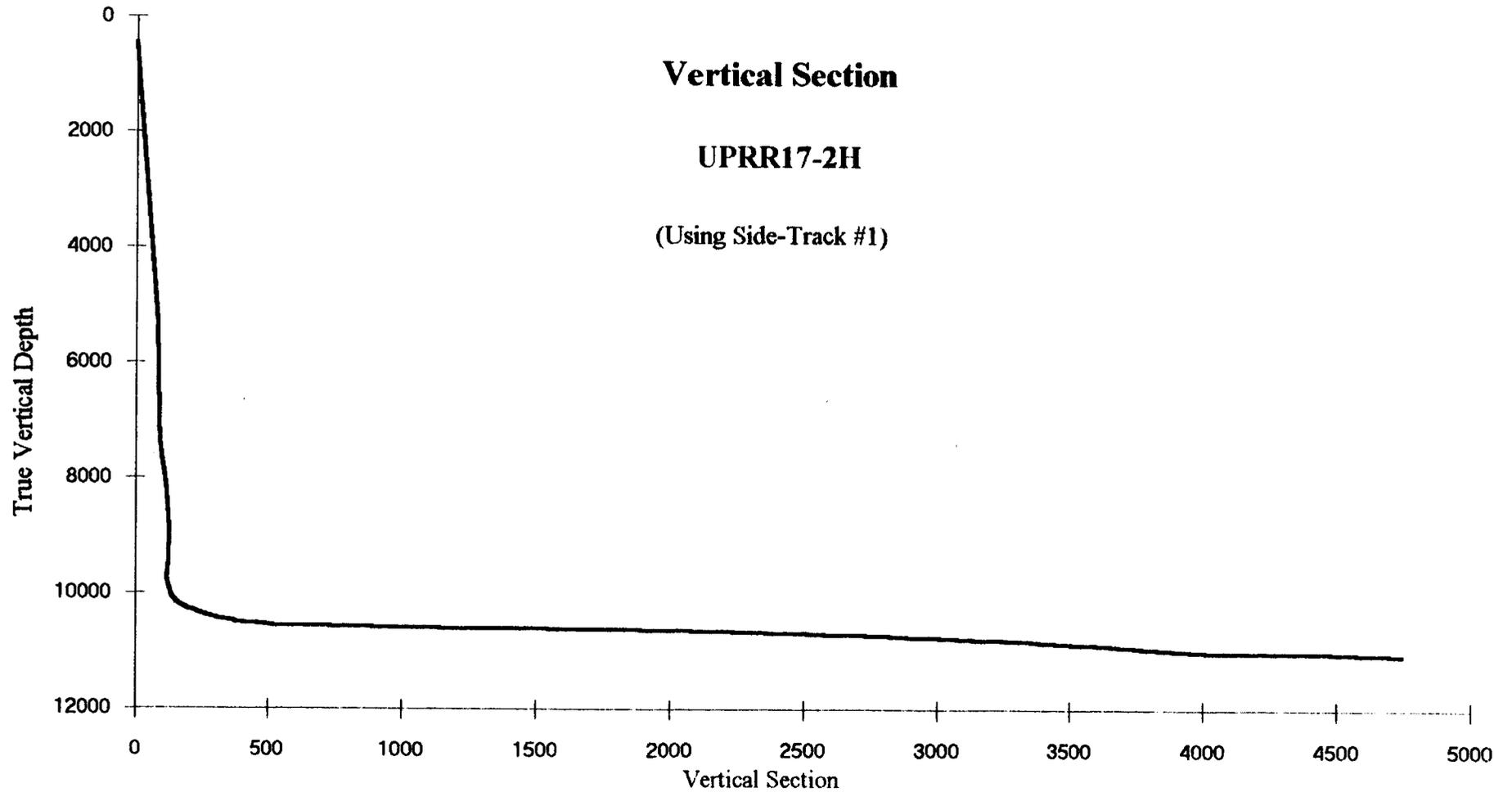
## Mud Report

Date	Depth	WT (ppg)	Funnel Viscosity	Plastic Viscosity	Yield Point	Gels	pH	Filtrate	Chlorides	Solids %	Calcium
5/29/94	8655	10.1	42	15	12	5/10	9.0	9.8	156,000	3.0	400
5/30/94	8857	10.2	43	15	12	5/10	9.0	9.5	172,000	3.5	40
5/31/94	8957	10.3	43	15	9	4/8	9.0	10.0	181,000	3.8	80
6/1/94	9105	10.3	42	12	10	3/7	9.0	10.4	184,000	3.7	80
6/2/94	9395	10.3	46	16	12	5/10	9.0	10.4	186,000	3.8	80
6/3/94	9526	10.5	43	15	10	5/19	9.0	9.8	192,000	3.9	60
6/4/94	9646	10.4	44	15	11	5/9	9.0	10.1	185,000	3.8	60
6/5/94	9854	10.4	45	15	11	5/8	9.0	9.8	186,000	3.8	60
6/6/94	10047	10.4	44	15	10	4/10	9.5	9.5	182,000	3.9	60
6/10/94	10047	8.4	27				8.0		500		160
6/11/94	10137	8.4	27				8.0		550		160
6/12/94	10577	8.5	27				9.5		6,800		
6/13/94	10860	8.6	27				9.5		24,500		
6/14/94	11020	8.6	27				9.5		26,500		
6/15/94	11443	8.6	27				9.5		27,000		
6/16/94	11874	8.6	27				9.0		26,000		
6/17/94	12241	8.6	27				9.0		27,000		
6/18/94	12635	8.6	27				9.0		27,500		
6/19/94	12974	8.6	27				9.0		28,000		
6/20/94	12016	8.6	27				9.0		27,000		
6/21/94	12190	8.6	27				9.0		27,500		
6/22/94	12535	8.6	27				9.0		28,000		
6/23/94	12645	8.6	27				9.5		32,000		
6/24/94	13045	8.6	27				9.0		33,000		
6/25/94	13541	8.6	27				9.0		34,000		
6/26/94	13905	8.6	27				9.5		36,000		
6/27/94	14193	8.6	27				9.5		36,000		
6/28/04	14500	8.7	28				9.5		36,000		
6/29/94	14726	8.7	28				9.0		35,000		
6/30/94	14921	8.6	27				9.5		32,000		
7/1/94	15025	8.6	27				0.0		32,000		

**Vertical Section**

**UPRR17-2H**

**(Using Side-Track #1)**



**DEVIATION RECORD**

Measured Depth	Degrees	Azimuth	TVD	Vertical Section	Coordinates	
					N/S	E/W
466	0.8	-	466	-	-	-
1145	2.0	-	1145	-	-	-
1679	5.0	-	1678	-	-	-
2007	5.2	-	2004	-	-	-
2523	7.9	115.0	2516	-	-	-
3047	4.4	124.1	3037	-	-	-
3543	1.4	166.7	3532	-	-	-
4011	0.9	142.9	4000	-	-	-
4570	0.6	161.0	4559	-	-	-
5033	1.3	124.0	5022	-	-	-
5588	0.7	132.6	5577	-	-	-
6078	1.0	153.1	6067	-	-	-
6549	2.0	124.1	6538	-	-	-
7014	2.2	99.6	7003	-	-	-
7535	3.1	99.7	7523	-	-	-
7784	3.7	81.2	7772	-	-	-
8062	3.0	94.8	8050	-	-	-
8312	1.7	120.2	8300	-	-	-
8560	1.5	96.3	8547	-	-	-
8809	1.5	103.4	8796	-	-	-
9004	0.7	146.5	8991	-	-	-
9221	1.3	150.8	9208	-	-	-
9435	1.7	163.9	9422	-	-	-
9594	1.5	228.5	9581	-	-	-
9749	2.1	340.7	9736	-	-	-
9906	5.1	358.1	9893	-	-	-
10000	6.6	354.8	9986	130	-113	290
10076	10.2	357.1	10061	137	-102	290
10108	13.3	1.6	10093	142	-95	289
10138	15.2	5.2	10122	147	-88	290
10166	17.4	14.0	10149	154	-80	291
10198	20.3	25.1	10179	163	-71	295
10229	24.4	32.2	10208	174	-60	300
10261	26.6	34.9	10236	188	-49	308
10293	29.9	35.4	10264	203	-37	317
10324	31.2	35.0	10291	218	-24	326
10356	31.8	35.0	10319	234	-10	336

Measured Depth	Degrees	Azimuth	TVD	Vertical Section	Coordinates	
					N/S	E/W
10388	33.2	37.6	10346	251	04	346
10418	36.0	39.1	10370	268	17	356
10449	40.0	38.9	10395	287	32	368
10481	43.9	40.6	10419	308	49	382
10512	47.1	39.9	10440	330	65	396
10544	51.9	40.1	10461	355	84	412
10573	56.4	40.0	10478	378	102	427
10605	61.7	40.8	10494	405	123	445
10636	65.1	41.2	10508	433	144	463
10668	67.2	42.6	10521	462	166	483
10700	68.7	42.0	10533	492	188	502
10731	70.6	42.2	10544	521	209	522
10762	74.8	40.7	10553	550	231	542
10793	79.9	40.5	10560	580	254	561
10824	86.2	41.9	10564	611	277	581
10854	89.6	42.5	10565	641	300	602
10886	89.6	41.7	10565	673	323	623
10905	88.8	41.3	10565	692	338	636
10947	85.6	43.4	10567	734	369	664
10978	85.0	42.7	10570	764	391	685
11010	84.7	42.0	10572	796	415	706
11042	85.3	42.9	10575	828	438	728
11073	84.4	42.2	10578	859	461	749
11105	84.2	41.8	10581	891	485	770
11136	84.8	41.2	10585	921	508	791
11168	84.7	41.7	10588	953	532	812
11200	84.5	41.8	10591	985	555	833
11231	85.9	40.5	10593	1016	579	853
11263	86.8	39.2	10595	1047	603	874
11295	87.7	38.2	10597	1079	628	894
11326	88.7	38.2	10598	1110	653	913
11358	89.2	36.5	10598	1142	678	932
11390	89.0	36.4	10599	1173	704	951
11421	87.9	35.5	10600	1204	729	969
11453	87.7	35.6	10601	1235	755	988
11485	87.3	35.5	10602	1266	781	1007
11516	87.0	37.0	10604	1297	806	1025
11548	87.5	36.1	10605	1329	831	1044
11580	87.5	36.1	10607	1360	857	1063
11611	87.8	35.9	10608	1391	882	1081

Measured Depth	Degrees	Azimuth	TVD	Vertical Section	Coordinates	
					N/S	E/W
11643	87.8	35.8	10609	1422	908	1100
11674	88.1	37.4	10610	1453	933	1118
11706	88.3	38.4	10611	1484	958	1138
11738	88.6	39.8	10612	1516	983	1158
11769	88.1	39.2	10613	1547	1007	1178
11801	88.6	40.1	10614	1579	1032	1198
11833	89.9	38.7	10614	1610	1056	1218
11864	90.1	37.8	10614	1641	1081	1238
11895	89.9	40.3	10614	1672	1105	1257
11927	89.1	39.3	10615	1704	1129	1278
11959	87.7	40.0	10616	1735	1154	1298
11990	88.0	39.9	10617	1766	1178	1318
12022	88.2	42.6	10618	1798	1202	1339
12054	88.6	41.7	10619	1830	1226	1361
12086	89.0	42.2	10619	1862	1249	1382
12117	88.1	41.1	10620	1893	1273	1403
12149	88.4	41.3	10621	1925	1297	1424
12181	88.7	40.5	10622	1957	1321	1445
12212	88.4	41.2	10623	1987	1344	1465
12244	88.7	40.6	10624	2019	1368	1486
12275	88.9	40.1	10624	2050	1392	1506
12307	87.8	41.3	10625	2082	1416	1527
12339	87.1	40.3	10627	2114	1440	1548
12369	87.3	43.4	10628	2144	1463	1567
12400	87.8	42.6	10629	2175	1485	1589
12432	88.3	42.5	10630	2207	1509	1610
12464	87.4	43.4	10632	2238	1532	1632
12493	8.7	43.9	10633	2267	1553	1652
12523	85.6	43.4	10635	2297	1575	1673
12555	84.5	44.3	10638	2329	1598	1695
12586	83.4	44.6	10641	2360	1620	1716
12617	83.0	45.1	10645	2391	1642	1738
12649	84.6	43.9	10648	2423	1664	1760
12681	85.5	44.2	10651	2454	1687	1783
12712	85.6	43.8	10653	2485	1710	1804
12744	84.6	43.7	10656	2517	1733	1826
12776	82.8	43.3	10659	2549	1756	1848
12805	82.3	42.9	10663	2578	1777	1868
12837	80.7	42.3	10668	2609	1800	1889
12868	80.5	41.1	10673	2640	1823	1909

Measured Depth	Degrees	Azimuth	TVD	Vertical Section	Coordinates	
					N/S	E/W
12900	80.1	41.8	10678	2671	1846	1930
12932	79.7	42.4	10684	2703	1870	1951
12963	79.6	41.4	10689	2733	1893	1972
12995	79.3	41.6	10695	2764	1916	1992
13026	79.1	41.4	10701	2795	1940	2013
13058	79.2	41.5	10707	2826	1963	2033
13090	79.0	40.0	10713	2857	1986	2054
13132	79.0	40.0	10721	2898	2018	2080
Side Track #1:						
12000	88.1	40.7	10617	1775	1186	1324
12022	86.8	40.8	10618	1798	1202	1340
12054	84.2	40.5	10621	1830	1226	1360
12086	84.0	41.8	10624	1861	1249	1381
12117	84.7	43.4	10627	1892	1272	1402
12149	85.1	44.0	10630	1924	1295	1424
12180	85.3	45.3	10633	1955	1317	1446
12212	85.8	46.1	10635	1987	1339	1467
12243	86.2	46.1	10637	2018	1361	1491
12275	84.8	45.3	10640	2050	1385	1514
12307	83.5	45.9	10643	2081	1405	1536
12336	82.5	46.4	10647	2111	1426	1558
12368	83.5	45.8	10651	2142	1448	1580
12399	84.5	46.4	10654	2173	1469	1602
12430	84.9	46.4	10657	2204	1490	1625
12461	85.0	46.0	10659	2235	1511	1647
12493	85.6	45.8	10662	2266	1533	1670
12522	84.2	44.8	10665	2296	1554	1691
12554	82.4	45.2	10668	2328	1577	1713
12586	82.5	46.1	10672	2359	1599	1736
12617	83.1	46.1	10676	2390	1620	1758
12647	84.0	42.8	10680	2420	1641	1779
12679	83.7	41.4	10683	2451	1665	1800
12710	83.6	41.4	10687	2482	1688	1821
12742	83.5	42.4	10690	2514	1711	1842
12805	83.4	42.1	10697	2576	1758	1884
12868	81.7	41.8	10706	2639	1805	1926
12932	81.1	40.9	10715	2701	1852	1967
12963	81.2	40.1	10720	2732	1875	1987
13026	80.9	40.3	10730	2794	1923	2028

Measured Depth	Degrees	Azimuth	TVD	Vertical Section	Coordinates	
					N/S	E/W
13058	80.8	41.3	10735	2826	1947	2048
13090	80.9	40.0	10740	2857	1970	2068
13121	81.1	39.9	10745	2888	1994	2088
13185	81.4	41.0	10754	2950	2042	2129
13248	80.6	45.0	10764	3012	2088	2172
13311	80.0	42.8	10775	3075	2133	2215
13373	80.1	44.8	10786	3135	2176	2257
13436	79.7	42.7	10797	3198	2221	2300
13499	80.5	43.2	10808	3260	2267	2343
13531	80.7	41.1	10813	3291	2290	2363
13561	81.1	43.6	10817	3321	2312	2383
13593	79.5	43.0	10823	3352	2335	2405
13624	77.9	42.8	10829	3383	2357	2426
13687	75.0	41.7	10844	3444	2403	2467
13751	74.9	41.2	10860	3505	2449	2508
13814	74.5	39.6	10877	3566	2495	2547
13846	74.6	38.9	10885	3596	2519	2566
13875	74.5	37.3	10893	3624	2541	2584
13907	73.6	37.6	10902	3654	2565	2603
13938	73.1	38.2	10911	3684	2589	2621
13970	72.6	39.0	10920	3714	2613	2640
14002	71.9	39.6	10930	3744	2636	2659
14033	71.3	38.5	10940	3774	2660	2678
14063	70.2	37.3	10950	3802	2682	2695
14095	71.0	37.7	10960	3831	2705	2713
14126	72.4	39.2	10970	3861	2729	2732
14158	74.5	41.4	10979	3891	2752	2752
14189	76.1	40.2	10987	3921	2775	2772
14221	76.1	41.0	10995	3952	2798	2792
14253	77.9	40.8	11002	3983	2822	2812
14282	80.6	40.7	11007	4011	2843	2831
14314	84.5	41.6	11011	4043	2868	2850
14345	86.6	43.0	11014	4073	2891	2871
14409	89.9	41.2	11016	4137	2939	2914
14440	89.3	42.4	11016	4168	2962	2935
14503	90.5	39.5	11016	4231	3009	2976
14535	91.1	38.2	11016	4263	3034	2996
14565	90.0	38.8	11015	4292	3058	3015
14597	89.6	39.4	11016	4324	3083	3035
14626	89.3	37.7	11016	4353	3105	3053

Measured Depth	Degrees	Azimuth	TVD	Vertical Section	Coordinates	
					N/S	E/W
14657	89.0	37.8	11016	4384	3130	3072
14689	86.7	39.9	11017	4415	3155	3092
14721	84.7	40.9	11020	4447	3179	3113
14752	82.2	42.2	11023	4478	3202	3133
14784	82.1	43.8	11028	4509	3225	3155
14816	82.1	44.2	11032	4541	3248	3177
14847	81.3	42.2	11037	4572	3270	3198
14879	82.0	40.7	11041	4603	3294	3219
14911	82.0	40.0	11046	4635	3318	3239
14942	82.4	40.6	11050	4665	3342	3259
14974	81.7	40.4	11054	4697	3366	3280
15025	81.7	40.4	11062	4747	3404	3312

## Sample Descriptions

Samples on the UPRR 17-2H were lagged and caught by the drill crews in 30-foot intervals from 6250' to 10046'. 10-foot interval samples were lagged and caught by the personnel of Logrite from 10046' to a Total Depth of 15025'.

6250' - 6310': Shale; red brown, moderately soft, earthy, silty, limy.

### Stump Top: 6330', 6319' TVD (+627' Subsea)

- 6310' - 6340': Siltstone; off white to light gray, slightly calcareous, moderately firm, grading to very fine sandstone, quartzic.(70%)  
Sandstone; off white to light gray brown, moderately firm, very fine grain, well sorted, slightly limy, moderately tight.(30%)  
Limestone;(Trace) light brown, micro crystalline, hard, dense.
- 6340' - 6370': Sandstone; off white, slightly S & P, fine to occasionally medium grained, subangular, medium sorting, slightly calcareous to siliceous cement, firm, poor visible porosity, no shows.
- 6370' - 6400': Sandstone; as above, abundant chert inclusions.  
Chert (Trace); smoky gray, translucent, angular, hard.
- 6400' - 6460': Siltstone; light gray to purple gray, moderately firm, blocky, slightly calcareous, grainy.(60%)  
Limestone; light gray to gray brown, moderately hard, micro to crypto crystalline, occasionally chalky.(40%)
- 6460' - 6520': Shale; light gray, lavender, red brown, moderately firm, blocky, subwaxy, slightly calcareous.(50%)  
Siltstone; generally as above, occasionally becoming very sandy.(50%)
- 6520' - 6550': Shale; red orange, light gray, moderately firm, blocky, earthy, subwaxy to earthy luster, moderately calcareous.
- 6550' - 6580': Sandstone; off white, fine to medium grain, S & P, abundant chert fragments, firm, calcareous cement, moderately tight, medium sorting, subangular, no shows.(80%)  
Shale; as above. (20%)
- 6580' - 6610': Shale; light to medium orange, soft, earthy, occasionally silty, slight to moderately limy, sub-blocky, very poorly indurated.
- 6610' - 6670': Shale; red brown, maroon, moderately soft, blocky to subplaty, subwaxy to earthy, occasionally grainy, slight to moderately calcareous.
- 6670' - 6700': Shale; predominately red brown, earthy.
- 6700' - 6760': Shale; red brown, purple, light gray, moderately soft, slight to moderate calcareous, subplaty, earthy to subwaxy. (80%)  
Siltstone; light gray to purple, moderately firm, sandy slight to non limy.(20%)  
Limestone; (trace) light brown, crypto- to micro crystalline, dense, tight, trace white calcite fracture fill.
- 6760' - 6790': Shale; red brown, lavender, moderately firm, slightly calcareous, blocky to subplaty, earthy. (70%)  
Siltstone; red brown, lavender, moderately firm, sandy, calcareous to siliceous cement. (30%)

- 6790' - 6820': Shale; as above. (90%)  
Sandstone; white to clear, very fine to fine grain, subround, medium to well sorted, friable, abundant unconsolidated, clean matrix, siliceous cement, poor to fair visible porosity, no shows. (10%)  
Limestone; (trace) light brown, crypto crystalline, hard, dense.
- 6820' - 6850': Sandstone; off white to light purple, very fine grained, firm, well sorted, siliceous cement, moderately tight. (40%)  
Siltstone; light purple to red brown, off white, firm, argillaceous matrix, sandy, siliceous cement. (30%)  
Shale; as above. (30%)
- 6850' - 6880': Sandstone; as above, (30%)  
Siltstone; as above, (30%)  
Shale; light orange, red brown, moderately firm to moderately soft, slightly to moderately calcareous, subplaty, earthy. (40%)
- 6880' - 6910': Limestone; off white, micro- to crypto crystalline, hard, dense, faint mineral fluorescence, no cut or stain. (60%)  
Shale; as above. (20%)  
Chert; cream, translucent to opaque, angular, hard. (20%)
- 6910' - 6940': Shale; red brown, lavender, moderately firm, blocky, slightly calcareous, earthy. (80%)  
Siltstone; light brown, lavender, red brown, slightly calcareous, moderately firm, sandy. (20%)
- 6940' - 6970': Sandstone; clear to orange, fine to medium grained, poorly sorted, subrounded, friable, moderately clean, fair visible porosity, no shows, (20%). Water flow in this interval.  
Shale; as above. (80%)
- 6970' - 7000': Shale; red brown, light gray, lavender, blocky, earthy to subwaxy, moderately soft. (60%)  
Sandstone; orange brown, off white, fine to medium grained, angular, poorly sorted, cherty, firm, argillaceous matrix, calcareous to siliceous cement, moderately tight. (40%)
- 7000' - 7030': Limestone; cream, crypto crystalline, chalky in part, moderately hard, dense. (70%)  
Shale; as above; (20%)  
Sandstone; as above. (10%)
- 7030' - 7060': Shale; red brown to orange, moderately firm to soft, earthy, slight to non calcareous, blocky to subplaty. (70%)  
Siltstone; red brown, lavender, moderately firm, sandy, argillaceous matrix, siliceous cement, grading to sandstone in part. (30%)
- 7060' - 7090': Shale; light gray, red orange, subwaxy to waxy, moderately soft, silty in part, predominately non calcareous.
- 7090' - 7120': Sandstone; light purple to off white, very fine to f grained, moderately firm to occasionally friable, well sorted, subangular to subrounded, siliceous cement, clean to slightly clayey matrix, no shows, probably fractured.(bit bounce).
- 7120' - 7150': Sandstone/Conglomerate; off white to tan, quartzic to cherty, poorly sorted, f to c grained, siliceous cement, moderately firm, occasionally clay matrix, moderately tight.

- 7150' - 7180': Shale; orange to red brown, moderately soft, clayey in part, slightly calcareous, abundant sand grain inclusions, blocky. (80%)  
Sandstone; as above. (20%)
- 7180' - 7210': Shale; generally as above, occasionally grading to argillaceous siltstone.
- 7210' - 7240': Sandstone; clear to light tan orange, very fine to m grained, poorly sorted, angular, cherty, moderately friable, siliceous to slightly calcareous cement, fair visible porosity, no shows.
- 7240' - 7270': Sandstone; light orange, very fine to f grained, moderately friable, moderately sorted, clay matrix, slightly calcareous cement, poor visible porosity, no shows. (80%)  
Shale; red brown, moderately firm, v silty to sandy, slightly calcareous, blocky. (20%)
- 7270' - 7300': Sandstone; light orange, very fine to c grained, moderately firm, poorly sorted, abundant clay matrix, calcareous cement, trace chert, tight.
- 7300' - 7330': Sandstone/Conglomerate; off white to light orange, very fine to m grained, abundant chert clasts, moderately firm, slightly silt and clay matrix, generally tight. (90%)  
Chert; yellow green, smoky gray, angular, hard. (10%)
- 7330' - 7360': Sandstone; light red brown to orange, very fine to f grained, subangular, moderately sorted, moderately firm, siliceous cement, trace chert clasts, slightly to moderately clay matrix, trace glauconite, generally tight, no shows.  
Chert; as above, (trace)
- 7360' - 7390': Sandstone; white, trace glauconite, very fine to f grained, moderately friable, subrounded to subangular, well sorted, slightly to moderately calcareous, slightly clay matrix, poor to fair visible porosity, no shows.

**Preuss Top: 7408', 7396' TVD (-450' Subsea)**

- 7390' - 7420': Shale; brown to red brown, light gray to lavender, moderately firm, subplaty, earthy, slightly calcareous in part.
- 7420' - 7510': Shale; red brown to brown, moderately soft to moderately firm, subplaty, slightly calcareous, occasionally soft and clayey.
- 7510' - 7540': Shale; as above, occasionally v silty.
- 7540' - 7600': Sandstone; orange, very fine to f grained, moderately friable, v silty and clayey matrix, slightly calcareous cement, tight. (20%)  
Siltstone; red brown to orange, moderately soft, argillaceous matrix, slightly calcareous. (40%)  
Shale; red brown, moderately firm to occasionally soft, silty, earthy, slightly calcareous. (40%)
- 7600' - 7690': Siltstone; brown to red brown, moderately firm, argillaceous, sandy in part, slightly calcareous. (60%)  
Shale; brown to red brown, moderately firm, silty to grainy, blocky, earthy, slightly calcareous. (40%)

- 7690' - 7900': Siltstone; brown to red brown, orange, moderately firm, slightly calcareous to siliceous cement, argillaceous matrix, sandy. (70%)  
Shale; red brown, moderately firm, blocky, earthy, slightly calcareous, silty to grainy. (30%)  
Sandstone; light orange to red brown, very fine to f grained, moderately firm, abundant silt and clay matrix, predominately siliceous cement, tight. (trace)
- 7900' - 8020': Siltstone; red brown to orange, moderately firm, argillaceous, sandy in part, occasionally grading to sandstone. (80%)  
Shale; red brown, moderately firm, silty, earthy, blocky. (20%)  
Sandstone; as above, generally grading with sandy siltstone. (trace)
- 8020' - 8200': Siltstone; red brown, firm to moderately firm, argillaceous, sandy, slightly calcareous. (80%)  
Shale; as above, predominately grading to siltstone. (10%)  
Sandstone; orange to red brown, moderately firm, very fine grained, silty, poorly sorted, slightly calcareous, tight. (10%)
- 8200' - 8530': Siltstone; red brown, sandy, as above. (80%)  
Sandstone; as above, occasionally f grained, predominately very silty to clayey matrix, tight. (20%)  
Shale; red brown, moderately firm, earthy, silty. (trace)
- 8530' - 8620': Siltstone; red brown, moderately firm, increasing shale matrix, grading to shale, slightly calcareous. (30%)  
Shale; red brown, moderately firm, blocky, earthy, silty, grading from siltstone. (70%)
- 8620' - 8800': Shale; red brown, moderately firm to occasionally soft and clayey, generally silty, earthy, blocky. (90%)  
Siltstone; as above, generally becoming v shaly and grading to shale. (10%)
- 8800' - 8960': Shale; red brown, moderately firm to occasionally soft, generally silty, occasionally slightly calcareous, subplaty, earthy.

**Preuss Salt Top: 8936', 8923' TVD (-1977' Subsea)**

- 8960' - 8990': Salt; no returns, inferred by drill rate. Abundant red shale cavings.
- 8990' - 9010': Shale; medium gray to lavender gray, moderately firm, blocky, subwaxy, predominately non calcareous, occasionally silty.  
Salt; no returns, inferred by drill rate, interbedded with shale.
- 9010' - 9060': Shale; medium gray to gray mot with red, gray brown, moderately firm, subwaxy, blocky, non calcareous, occasionally silty.  
Salt; no returns, interbedded with shale.
- 9060' - 9190': Salt; no return, inferred by drill rate, interbedded with shales, as above.
- 9190' - 9250': Salt; no returns  
Shale; medium gray, gray mot with red, lavender, subwaxy to waxy, moderately firm, blocky, non to slightly calcareous.
- 9250' - 9400': Salt; as above, inferred by drill rate, no returns, interbedded with shale.  
Shale; medium gray to light gray, lavender, red brown, moderately firm, subwaxy to waxy, blocky, occasionally silty, predominately non to slightly calcareous.  
Chert; (trace) orange to clear, angular fragments, hard.

9400' - 9490': Salt; no returns, as above  
Shale; gray to red gray, as above.

**Base of Preuss Salt: 9505', 9542' TVD (-2546' Subsea)**

9490' - 9510': Shale; gray to red gray, red brown, moderately firm, subwaxy to earthy, slightly calcareous, blocky.

9510' - 9550': Shale; light gray, light red gray, moderately soft, clayey, calcareous to marly, earthy, blocky, occasionally silty.

**Top of Twin Creek, Giraffe Creek Member: 9544', 9531' TVD (-2586' Subsea)**

9550' - 9590': Shale; light gray, moderately soft, clayey, silty, earthy, blocky, very calcareous and grading to marlstone.

9590' - 9630': Shale; as above, grading to shaly limestone. (60%)

Limestone; light to medium gray, moderately soft to moderately firm, micro- to crypto- crystalline, moderately to very shaly, occasionally silty, tight. (40%)

9630' - 9710': Shale; light gray, moderately soft, blocky-platy, very calcareous and marly. (40%)

Limestone; light to medium gray, moderately firm, occasionally soft and chalky, shaly. (60%)

9710' - 9820': Shale; as above, grading to limestone. (30%)

Limestone; as above, moderately to very shaly. (70%)

9820' - 9980': Limestone; medium gray, moderately firm, micro- to crypto- crystalline, shaly, dense. (80%)

Shaly; light gray, moderately soft, blocky, limy and grading to shy limestone. (20%)

**Leeds Creek Member Top: 9978', 9964' TVD (-3018' Subsea)**

9980' - 10020': Shale; as above. (20%)

10020' - 10050': Limestone; medium to light gray, moderately hard, micro- crystalline, abundant oolitic, dense, slightly argillaceous in part.

Intermediate casing set at 10046'. Begin 10' samples, lagged and caught by Logrite personnel.

10050' - 10080': Limestone; light gray brown, moderately hard, micro- to very fine crystalline, occasionally oolitic, sandy to silty, moderately tight.

10080' - 10120': Limestone; light to medium gray, moderately hard, micro-crystalline, slightly argillaceous, predominately dense.

Shale; (trace) light yellow green, bentonitic, moderately soft.

10120' - 10150': Limestone; light to medium gray, moderately hard, occasionally soft and chalky, micro- to crypto- crystalline, moderately tight, slightly argillaceous.

10150' - 10200': Limestone; medium gray, occasionally light gray, generally micro- to very fine crystalline, slightly argillaceous in part, chalky in part.

10200' - 10260': Limestone; medium gray, moderately hard, micro-crystalline, slightly argillaceous, dense, trace free calcite fracture fill.

- 10260' - 10290': Limestone; light to medium gray, moderately hard, micro- to very fine crystalline, occasionally slightly argillaceous, sandy in part, occasionally sucrosic texture.
- 10290' - 10340': Limestone; medium to dark gray, gray brown, moderately hard, micro-crystalline, dense, slightly argillaceous, tight, trace free calcite fracture fill.
- 10340' - 10380': Limestone; gray brown, moderately hard, micro- to occasionally crypto-crystalline, slightly argillaceous, trace calcite fracture fill, dense.

**Watton Canyon Member Top: 10381', 10340' TVD (-3394' Subsea)**

- 10380' - 10400': Limestone; generally as above, dense.
- 10400' - 10410': Limestone; gray brown to medium gray, moderately hard to occasionally hard, very fine to micro-crystalline, abundant oolitic, generally dense, slightly argillaceous, very slight oil show, residual ring cut fluorescence.
- 10410' - 10420': Limestone; gray brown to gray, moderately hard, micro-crystalline, occasionally slightly argillaceous, dense, tight, no shows.
- 10420' - 10450': Limestone; gray brown to gray, moderately hard, micro- to very fine crystalline, occasionally oolitic and pellets, tight, slightly argillaceous, trace milky yellow slow streaming cut fluorescence, possibly brown oil stain on outside of cuttings.
- 10450' - 10470': Limestone; gray brown, moderately hard to hard, micro- to crypto-crystalline, dense, slightly argillaceous.
- 10470' - 10520': Limestone; gray brown, moderately hard to occasionally hard, very fine to micro-crystalline, dense, occasionally calcite fracture fill, slightly argillaceous.
- 10520' - 10550': Limestone; light gray brown, mod hard, predominately micro-crystalline, trace oolitic, dense, slightly argillaceous, no shows.
- 10550' - 10580': Limestone; light gray brown, moderately hard to hard, micro- to crypto-crystalline, trace oolitic, dense, tight.
- 10580' - 10650': Limestone; light gray, moderately hard, micro-crystalline, occasionally silty, moderately dense, becoming slightly-moderately argillaceous, no shows.

**Boundary Ridge Member Top: 10631', 10506' TVD (-3560' Subsea)**

- 10650' - 10690': Limestone; light gray-light brown, moderately hard, micro-crystalline, moderately dense, slightly to moderately argillaceous.
- 10690' - 10730': Shale; light red brown, moderately soft, platy to fissile, subwaxy, silty, slightly calcareous, trace anhydrite.
- 10730' - 10760': Shale; light to medium red brown, soft to moderately soft, fissile, subwaxy, occasionally silty, slightly calcareous.
- 10760' - 10810': Shale; light red brown to pink, soft, platy to fissile, subwaxy, trace anhydrite, slightly calcareous.
- 10810' - 10820': Shale; very light red brown, moderately soft to soft, silty, earthy, becoming calcareous.  
Trace Limestone; very light brown red, moderately soft, shaly.

**Rich Member Top: 10806', 10562' TVD (-3616' Subsea)**

- 10820' - 10830': Limestone; light to medium gray, occasionally dark gray, predominately micro-crystalline, moderately hard, slightly argillaceous, generally dense, trace oolites. (50%)
- 10830' - 10840': Limestone; as above, (60%)  
Shale; as above, (40%)
- 10840' - 10850': Limestone; medium to light gray, moderately hard, micro-crystalline, dense, slightly argillaceous. (60%)  
Shale; red brown, as above. (40%)
- 10850' - 10880': Limestone; light to medium gray, moderately hard to moderately soft, micro-crystalline, moderately dense, occasionally sucrosic, slightly to moderately argillaceous.

**Boundary Ridge Member Bottom: 10890', 10564' TVD (-3618' Subsea)**

- 10880' - 10890': Limestone; light pink to light gray brown, moderately soft, argillaceous, micro-crystalline, grading to limy shale and siltstone.
- 10890' - 10930': Shale; red brown, moderately soft, platy, earthy, moderately calcareous, trace anhydrite.
- 10930' - 10940': no sample
- Poor samples: very fine cuttings.
- 10940' - 10950': Shale; rust to red brown, earthy, moderately to very calcareous, limy, platy.

**Rich Member Top: 10960', 10568' TVD (-4014' Subsea)**

- 10950' - 10960': Limestone; light gray to medium gray brown, trace pink, crypto-crystalline, slightly chalky, dense in part.
- 10960' - 10990': Limestone; light gray, trace pink, crypto-crystalline, argillaceous.
- 10990' - 11010': Limestone; light to medium gray, moderately soft, argillaceous, micro-crystalline.
- 11010' - 11020': Limestone; medium gray, moderately hard, micro-crystalline, dense, slightly argillaceous.  
Shale; (trace) light blue green, subwaxy, blocky, bentonitic, non calcareous.
- 11020' - 11050': Limestone; medium gray to gray brown, moderately hard to hard, micro- to crypto-crystalline, dense, no shows.
- 11050' - 11160': Limestone; medium gray to light gray brown, moderately hard, micro- to occasionally very fine crystalline, predominately dense, slightly argillaceous, occasionally micro-sucrosic texture, no shows.
- 11160' - 11210': Limestone; light gray brown to tan, micro-crystalline, dense, becoming clean, no shows, abundant oil on pits, probably from fractures.
- 11210' - 11260': Limestone; light to medium gray brown, occasionally beige, crypto- to micro-crystalline, dense, trace chalky.
- 11260' - 11310': Limestone; as above, becoming increasing gray brown, slightly argillaceous.
- 11310' - 11390': Limestone; light to medium gray brown, trace gray, micro-crystalline, dense, slightly argillaceous in part, firm.

- 11390' - 11450': Limestone; light to medium gray brown, micro-crystalline, dense, no shows, oil on pits from fractures.  
Trace blue green bentonitic shale.
- 11450' - 11520': Limestone; light gray brown to tan, micro- crystalline, trace oolites, generally dense, occasionally micro-sucrosic texture, no sample shows, trace oil coating on outside of cuttings from mud.
- 11520' - 11640': Limestone; light gray brown to cream, micro- to crypto-crystalline, moderately hard, dense, clean to slightly argillaceous, no sample shows.
- 11640' - 11740': Limestone; light gray brown, buff in part, micro- to crypto-crystalline, generally dense, clean, trace mottled texture.
- 11740' - 11770': Limestone; light gray brown, buff, crypto- to occasionally micro-crystalline, dense, hard.
- 11770' - 11810': Limestone; predominately light by brown, increasing cream colored, crypto- to micro-crystalline, dense, slightly argillaceous in part.
- 11810' - 11860': Limestone; light gray brown to buff, occasionally cream, crypto- to micro-crystalline, predominately dense, clean appearance.
- 11860' - 11950': Limestone; cream to light brown, light gray, micro-crystalline, generally dense, occasionally very fine crystalline and sucrosic, moderately hard, no sample shows.
- 11950' - 12020': Limestone; cream to very light gray brown, micro- to occasionally very fine crystalline, moderately dense, clean to very slightly argillaceous, no sample shows ( trace of oil on pits)
- 12020' - 12050': Limestone; light gray brown to buff, cream in part, crypto- to micro-crystalline, generally dense.
- 12050' - 12080': Limestone; generally light gray brown, crypto- to micro-crystalline, dense, slightly chalky in part.
- 12080' - 12180': Limestone; gray brown to buff, occasionally cream, crypto- to micro-crystalline, trace chalky, generally dense, no shows.
- 12180' - 12220': Limestone; as above, becoming cream to buff, crypto-crystalline, slightly to moderately chalky.
- 12220' - 12280': Limestone; cream to light brown, moderately hard, clean, chalky in part, micro- to crypto-crystalline, generally tight, no shows.
- 12280' - 12320': Limestone; light cream to off white, micro- to crypto-crystalline, frequently chalky, no visible porosity, no sample shows.
- 12320' - 12400': Limestone; light cream to tan, micro- to crypto-crystalline, occasionally chalky, clean, generally dense, no shows.
- 12400' - 12420': Limestone; cream to light gray brown, trace light pink, chalky in part, crypto-crystalline, dense, argillaceous, soft.

**Boundary Ridge Member Bottom: 12400', 10630' TVD (-5454' Subsea)**

- 12420' - 12430': Shale; light brown orange, red brown, earthy, slightly to moderately calcareous, subplaty.
- 12430' - 12480': Shale; rust to brown orange, earthy, soft to flaky, subplaty.
- 12480' - 12550': Shale; brown orange, some very light brown, soft, earthy, becoming flaky, subplaty.
- 12550' - 12600': Shale; predominately brown orange, earthy, soft, calcareous.

- 12600' - 12660': Shale; red brown to orange, moderately soft, silty, slightly calcareous, platy to fissile, earthy to subwaxy.
- 12660' - 12750': Shale; light red brown, soft, poorly indurated, silty, subplaty, moderately to occasionally very calcareous, earthy.
- 12750' - 12880': Shale; light red orange to red brown, slightly to moderately calcareous, earthy, flaky, soft, subplaty to sub-blocky.
- 12880' - 12940': Shale; red brown to light orange brown, earthy, soft, limy
- 12940' - 13130': Shale; medium red brown, red orange, soft, silty, earthy, slightly to moderately calcareous.

**At 13131', plug back to 12000' to begin side-track #1. Drilling in Rich Member.**

- 12000' - 12040': Limestone; cream to light gray brown, moderately hard, crypto- to micro-crystalline, generally dense, clean to slightly argillaceous.
- 12040' - 12100': Limestone; tan to light gray brown, occasionally medium gray brown, crypto- to micro-crystalline, trace micro-oolitic, generally dense, clean.
- 12100' - 12130': Limestone; tan to gray brown, occasionally cream, crypto- to micro-crystalline, dense.
- 12130' - 12190': Limestone; becoming light gray brown, crypto-crystalline, occasionally micro-crystalline, generally dense.
- 12190' - 12250': Limestone; light gray brown, moderately hard, micro- to crypto-crystalline, occasionally very fine crystalline, moderately dense, clean to very slightly argillaceous, no shows.
- 12250' - 12340': Limestone; light gray brown, moderately hard, crypto- to micro-crystalline, occasionally very fine crystalline, generally dense.
- 12340' - 12400': Limestone; light gray brown to tan, crypto- to occasionally micro-crystalline, generally dense, tight.
- 12400' - 12510': Limestone; light gray brown to very light gray brown, crypto- to micro-crystalline, slightly argillaceous in part, dense.
- 12510' - 12550': Limestone; light gray brown, occasionally cream, crypto- to micro-crystalline.
- 12550' - 12630': Limestone; light gray to light gray brown, crypto- to micro-crystalline, occasionally slightly argillaceous, generally dense.
- 12630' - 12700': Limestone; light gray brown, tan, moderately hard, dense, micro-crystalline, slightly argillaceous.
- 12700' - 12760': Limestone; very light gray brown, cream, moderately hard, micro- to very fine crystalline, generally dense, becoming clean, no shows.
- 12760' - 12820': Limestone; generally light gray brown, crypto- to micro-crystalline, occasionally very fine crystalline, generally dense.
- 12820' - 12900': Limestone; cream to light gray brown, occasionally light gray, crypto- to micro-crystalline, slightly argillaceous in part.
- 12900' - 12960': Limestone; gray to light gray brown, crypto- to very fine crystalline, trace argillaceous, tight.
- 12960' - 13020': Limestone; light gray, occasionally light gray brown, crypto- to micro-crystalline, occasionally very fine crystalline, generally dense.
- 13020' - 13080': Limestone; light gray brown, moderately hard, micro-crystalline, occasionally very fine crystalline, moderately dense, clean, no sample shows.

- 13080' - 13200': Limestone; light gray brown, moderately hard, micro-crystalline, predominately clean, dense.
- 13200' - 13260': Limestone, very light gray brown, cream, micro- to crypto-crystalline, dense, clean.
- 13260' - 13320': Limestone; becoming medium gray brown, micro- to crypto-crystalline, dense, clean.
- 13320' - 13440': Limestone; light gray brown, crypto- to micro-crystalline, dense, clean.
- 13440' - 13500': Limestone; light gray brown, occasionally cream, crypto- to very fine crystalline, generally dense.
- 13500' - 13570': Limestone; light to medium gray brown, trace medium to dark gray, moderately hard, micro- to very fine crystalline, occasionally slightly argillaceous, dense.
- 13570' - 13650': Limestone; light gray brown, occasionally medium gray to gray brown, very fine to micro-crystalline, occasionally slightly argillaceous, generally dense to poor visible porosity, no shows.
- 13650' - 13720': Limestone; light gray brown, occasionally medium gray brown, crypto- to micro-crystalline, occasionally slightly argillaceous.
- 13720' - 13770': Limestone; becoming v light gray brown to tan, crypto- to micro-crystalline, dense.
- 13770' - 13810': Limestone; generally light gray brown, trace cream, crypto- to very fine crystalline, generally dense.
- 13810' - 13870': Limestone; light to occasionally medium gray brown, crypto- to micro-crystalline, slightly argillaceous in part, dense, trace micro- sucrosic texture.
- 13870' - 13950': Limestone; becoming medium gray brown, micro- to very fine crystalline, trace micro-sucrosic, slightly argillaceous.
- 13950' - 14000': Limestone; medium gray brown, micro-crystalline, moderately hard, moderately dense, slightly argillaceous.
- 14000' - 14080': Limestone; light to medium gray brown, micro-crystalline, occasionally very fine crystalline, predominately dense, trace micro-sucrosic, clean to slightly argillaceous.
- 14080' - 14110': Limestone; light gray brown, crypto- to micro-crystalline, occasionally very fine crystalline, generally clean.
- 14110' - 14150': Limestone; medium gray brown, occasionally tan, crypto- to very fine crystalline, trace micro-sucrosic texture, clean to slightly argillaceous.
- 14150' - 14200': Limestone; medium gray to gray brown, moderately hard, predominately micro-crystalline, slightly to occasionally moderately argillaceous, generally dense.
- 14200' - 14300': Limestone; medium gray brown to medium gray, micro- to occasionally crypto-crystalline, trace very fine crystalline, slightly to occasionally moderately argillaceous, generally dense, no sample shows.
- 14300' - 14340': Limestone; light gray brown, occasionally gray, slightly chalky, crypto- to occasionally very fine crystalline, dense.
- 14340' - 14420': Limestone; light gray brown, trace medium gray brown, crypto- to micro-crystalline, trace argillaceous, generally dense.
- 14420' - 14460': Limestone; becoming medium gray brown, generally crypto- to micro-crystalline, slightly argillaceous in part.

- 14460' - 14520': Limestone; light to medium gray brown, micro-sucrosic in part, micro- to very fine crystalline.
- 14520' - 14580': Limestone; light to medium gray brown, trace medium gray, micro- to occasionally crypto-crystalline, occasionally very fine crystalline, slightly argillaceous, predominately dense, occasionally micro-sucrosic texture.
- 14580' - 14620': Limestone; light gray to light gray brown, micro- to very fine crystalline, becoming clean, dense, occasionally micro-sucrosic texture, no shows.
- 14620' - 14690': Limestone; light gray brown to tan, crypto- to micro-crystalline, occasionally very fine crystalline and micro-sucrosic, generally dense.
- 14690' - 14720': Limestone; light to medium gray brown, crypto- to micro-crystalline, trace argillaceous.
- 14720' - 14800': Limestone; light gray brown, cream, micro-crystalline, occasionally very fine crystalline, predominately dense, occasionally micro-sucrosic texture, occasionally slightly argillaceous.
- 14800' - 14850': Limestone; light gray brown to off-white, crypto- to micro-crystalline, slightly argillaceous to clean, moderately dense, no sample shows.
- 14850' - 14880': Limestone; tan to light gray brown, crypto- to very fine crystalline, micro-sucrosic in part, dense.
- 14880' - 14960': Limestone; becoming light to medium gray in part, predominately light gray brown, crypto- to micro-crystalline, slightly argillaceous in part.
- 14960' - 15025': Limestone; very light gray brown, cream, crypto- to micro-crystalline, clean, moderately dense, no sample shows.

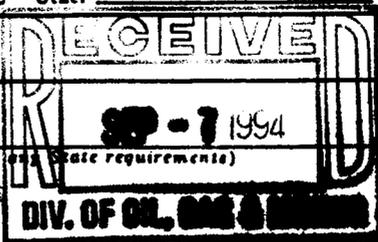
STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 A. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESRV.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Union Pacific Resources Company  
 3. ADDRESS OF OPERATOR  
PO Box 7 MS 3006 Fort Worth, TX 76101-0007  
 4. LOCATION OF WELL (Report location clearly and in accordance with State requirements)  
 At surface 663' FWL & 825' FSL of Sec 17-2N-7E  
 At top prod. interval reported below  
 At total depth



5. LEASE DESIGNATION AND SERIAL NO.  
N/A  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A  
 7. UNIT AGREEMENT NAME  
N/A  
 8. FARM OR LEASE NAME  
UPRR  
 9. WELL NO.  
17-2H  
 10. FIELD AND POOL, OR WILDCAT  
Elkhorn  
 11. SEC. T., R., M., OR BLOCK AND SUBSET OR AREA  
Sec 17-2N-7E

14. API NO. 43-043-30304 DATE ISSUED 03-22-94  
 12. COUNTY Summit 13. STATE Utah  
 660' FNL & 660' FEL of Sec 17-2N-7E  
 15. DATE SPUNDED 04-26-94 16. DATE T.D. REACHED 06-30-94 17. DATE COMPL. (Ready to prod.) or (Plug & Abd.) 07-07-94 18. ELEVATIONS (DF, RES, RT, GR, ETC.) 6922' GR; 6946' RKB 19. ELEV. CASINGHEAD -  
 20. TOTAL DEPTH, MD & TVD 15025' MD/ 11061' TVD 21. PLUG BACK T.D., MD & TVD NA 22. IF MULTIPLE COMPL., HOW MANY NA 23. INTERVALS DRILLED BY ROTARY TOOLS O-TD CABLE TOOLS -  
 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) Rich 9952' - 14995' (TWCR1) 25. WAS DIRECTIONAL SURVEY MADE  
 26. TYPE ELECTRIC AND OTHER LOGS RUN GR; FMS 7-26-94 27. WAS WELL CORED YES  NO  (Submit analysis) DRILL STEM TEST YES  NO  (See reverse side)

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT POLLED
10 3/4"	45.5#	2001'	14 3/4"	1460 sxs POZ "G"	FC @ 1957
* 7 3/4"	46.1#	10047'	9 7/8"	955 sx batch mixed	Stage tool @ 6312'
* 7 5/8"	29.7#	10047'	9 7/8"	Class G + 650 sxs	
				35:65 poz; Class "G" + 250 sxs Class "G"	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	9952'	14995'			2 7/8"	9864'	
					2 3/8"		

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
NA	NA	

33. **PRODUCTION**  
 DATE FIRST PRODUCTION 07-07-94 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) pumping WELL STATUS (Producing or shut-in) producing  
 DATE OF TEST 07-11-94 HOURS TESTED 24 CHOKE SIZE 24/64" PROD'N. FOR TEST PERIOD → OIL—BBL. 124 GAS—MCF. 64 WATER—BBL. 809 GAS-OIL RATIO 516  
 FLOW. TUBING PRBS. 100# CASING PRESSURE 300# CALCULATED 24-HOUR RATE → OIL—BBL. 124 GAS—MCF. 64 WATER—BBL. 809 OIL GRAVITY-API (CORR.) -

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

LIST OF ATTACHMENTS  
 Logs forwarded under separate cover.

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

SIGNED Camille Minzenmayer TITLE Regulatory Analyst DATE 09-01-94

See Spaces for Additional Data on Reverse Side



**CONFIDENTIAL**

**SUNDRY NOTICES AND REPORTS ON WELLS**

5. Lease Designation and Serial Number:  
UT-PA0001

6. If Indian, Alaska or Tribe Name:  
N/A

7. Unit Agreement Name:  
N/A

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

1. Type of Well: OIL  GAS  OTHER:

8. Well Name and Number:  
UPRR 17-2H

2. Name of Operator:  
Union Pacific Resources Company

9. API Well Number:  
43-043-30304

3. Address and Telephone Number:  
PO Box 7 MS 3006 Fort Worth, TX 76101-0007

10. Field and Pool, or Wlocat:

4. Location of Well  
Footages: 663' FWL, 825' FSL Sec. 17, T. 2N., R. 7 E., SLBM  
CG Sec., T., R., M.: SW4 Sec. 17, T. 2N., R. 7E., SLBM

County: Summit  
State: Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |  |
|--|--|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing    |
| <input type="checkbox"/> Change of Plans         | <input checked="" type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare           |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off          |
| <input type="checkbox"/> Other _____             |  |

Approximate date work will start upon approval

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

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

Date of work completion \_\_\_\_\_

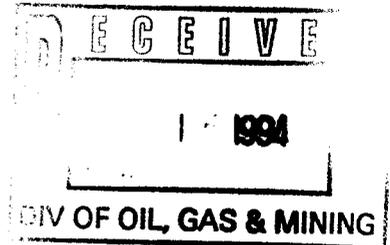
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

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

Recomplete well as per attached summary.

Please contact the undersigned at (817) 877-7952 if more information is needed.



13.

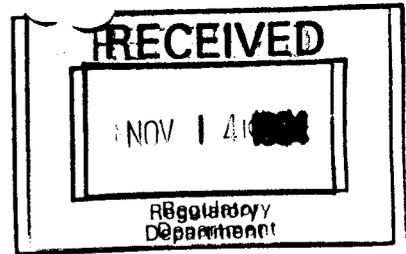
Name & Signature: W. F. Brazelton

*W.F. Brazelton*

Title: Senior Regulatory Analyst Date: 94-11-14

(This space for State use only)

11/16/94  
*Matthews*



UPRR 17-2H  
SW/4 S17 T2N R7E  
Summit County, Utah  
Elevation = 6922' KB = 6946' TD = 14,995'  
AFE 17078

10-3/4" 45.5# K-55 casing set @ 2001' cemented w/ 1210 sxs 35/65 POZ G mix and 250 sxs class G cement. Plug bumped, float held.  
7-3/4" 46.1# LS-125 LTC (86 jts) on bottom and 7-5/8" 29.7# P-110 BTC (147 jts) on top landed @ 10,047', FC @ 9959', stage collar @ 6312'. Bottom stage cemented w/ 955 sxs G cement. Plug did not bump.  
4-1/2" 11.6# N-80 LTC liner (preperforated 1 spf, 180 degree phasing) set @ 14,995', top @ 9952' with Lindsey setting tool.  
Tubing 2-7/8" 6.5# L-80 (304 jts, 9864.22') with a Centrilift 407 stage submersible pump (bottom @ 9918.81').

Workover Procedure: Rich Member of the Twin Creek Limestone 11-10-94.

1. MIRU production rig with circulating pump and tank. Truck to location +/- 10,200' of 3-1/2" 13.30# S-135 drill pipe (yield strength @ 80% is 391,000#s) and 5300' of 2-7/8" L-80 8rd tubing. The production rig is capable of pulling 300,000#s @ 80%. Drill pipe weight is 133,000#s and the liner weight is 59,000#s.
2. Remove the christmas tree. Install BOP. POH and lay down the tubing, power cable, and submersible pump assembly. Rewind the power cable on the spool. Have a Centrilift representative on hand while pulling the submersible pump out of the hole. Note any corrosion on the submersible pump equipment.
3. Pick up and RIH with a 4-1/2" spear (with a stop 5' up), bumper sub, jars, drill collars and accelerator. The 4-1/2" casing has a drift diameter of 3.875". Latch onto the top of the liner and pull the liner out of the hole. If the liner is retrieved in sections, repeat as necessary. LD 3-1/2" drill pipe. PU 2-7/8" tubing.
4. RIH with a 6-1/2" bit on 2-7/8" tubing and clean out the horizontal lateral to 13,400'. POH.
5. PU the CTC 4-1/2" payzone packer (40' long seal length, 13.5# N-80, 5-5/8" OD) and 2-7/8" on-off tool with right hand and hydraulic release option on 2-7/8" workstring and RIH. Set the payzone packer from 13,315' - 13,355'.
6. Establish circulation through the payzone packer. Stop circulating. Test surface lines to 5000 psig.
7. Batch mix 8-10 bbls of cement as follows: 16.4 #/gal, 3 hour pump time, API water loss less than 150 cc/30 minutes, API maximum consistency of less than 20 Bc units in 30 minutes of stirring, zero free water and zero particle segregation.
8. Disconnect the cement line at wellhead. Pump the cement to the end of the line at the wellhead. Place the latch-in plug in the line. Reconnect the cement line to the wellhead.
9. Pump the inflation cement downhole. Displace the cement with the same weight fluid as in the annulus until the dart bumps down on the landing collar. Slow displacement to 1/2 BPM prior to landing the dart and record the surface (balance) pressure (should be 0-300 psig).

10. When the dart lands, increase the surface pressure 300 psig and hold for 2-5 minutes. Check for and repair all surface leaks no matter how small. Record fluid volume in the displacement tank.
11. Increase the surface pressure to the rated differential shear pin pressure (1000 psig above step #10). Stop pumps and note the pressure decrease indicating valve action. If there is no pressure decline, increase the pressure by 200 psig or as needed to open the valve.
12. Inflate the packer (1/4-1/2 bbl of cement) by sequentially increasing the surface pressure and monitoring the pressure decline as the packer takes the cement. Record the fluid volume in the displacement tank. When the packer is fully inflated, the surface pressure will stabilize and not decline.
13. Hold the pressure for 3-5 minutes.
14. Bleed the surface pressure back to the pressure in step #10. Record the flowback volume for the net inflation volume calculation.
15. Increase the surface pressure to the pressure required to release the on-off tool. The hydraulic release tool should be set to release at 1000 psig higher than the shear valve setting of the packer (= +/- 2000 psig).
16. Release the on-off tool and dump the remaining cement on top of the packer. Reverse circulate the tubing and hole clean. POH with the 2-7/8" tubing.
17. MU Centrilift submersible pump assembly under the direction of the Centrilift field representative. RIH banding the power cable to the 2-7/8" tubing under the direction of the Centrilift spooler and bander. The 2-7/8" 6.5# L-80 tubing has a recommended tubing makeup torque of 2250 ft-lbs (minimum 1690 ft-lbs, maximum 2810 ft-lbs).
18. Set the submersible pump at +/- 9800'. Hang the tubing off. Remove the BOP. Install the christmas tree.
19. Return the well to production. Start the submersible pump at 57.1 hz setting (700 BFPD). Report the daily production. Shoot fluid levels MWF. Rate adjustments will be made based on the fluid levels.
20. If necessary, the 4-1/2" liner will be run back into the hole. A new procedure will accompany this decision.

  
P. L. Stevens

cc: J. Neuner                      B. Charles  
      P. Smith                        B. Brazelton  
      P. Straub                        S. Hamilton  
      Central Files                  J. Lofton  
      Hot File

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK</b>			5. Lease Designation and Serial No. NA	
1 a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK			6. If Indian, Allottee or Tribe Name NA	
b. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone			7. Unit Agreement Name NA	
2. Name of Operator UNION PACIFIC RESOURCES COMPANY			8. Farm or Lease Name UPRR	
3. Address of Operator P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007			9. Well Name 17-2H	
4. Location of Well (Report location clearly and in accordance with any State requirements) At Surface      663' FWL, 825' FSL Sec. 17, T. 2 N., R. 7 E., SLM			10. Field and Pool, or Wildcat Elkhorn	
At Proposed Producing Zone      3155' FWL, 3423' FSL Sec. 17, T. 2 N., R. 7 E., SLM			11. QQ, Sec., T., R., M., or Block and Survey or Area NE4/NE4 Sec. 17, T. 2 N., R. 7 E., SLM	
14. Distance in miles and direction from nearest town or post office 12 mi. east from Coalville, Utah			12. County or Parish Summit	13. State Utah
15. Distance from proposed location to nearest property or lease line: 663' FNL (Also to nearest drilling line, if any)	16. No. of acres in lease 640	17. No. of acres assigned to this well 640		
18. Distance from proposed location to nearest well, drilling, completed. or applied for, on this lease, Ft.      2,500'	19. Proposed Depth 13783' KBMD/10660' KBTVD	20. Rotary or cable tools Rotary		
21. Elevations (Show whether DP, RT., GR., etc.) GL 6922'	22. Approx. date work will start Upon approval			
<b>23. PROPOSED CASING AND CEMENTING PROGRAM</b>				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
	20"	Conductor	74'	
14-3/4"	10-3/4"	45.5	2001'	1460 sx POZ "G"
9-7/8"	7-5/8"	29.7	6400'	650 sx 35:65 POZ "G"
9-7/8"	7-3/4"	46.1	10047'	955 sx Class "G" + 250 sx Class "G"

UPRC proposes to plug back, by cementing, the existing horizontal lateral in the Rich Formation in the UPRR 17-2H well (API No. 43-043-30304), coming up the hole and drilling a new horizontal lateral in the Twin Creek Formation, approximately 50 feet shallower in vertical depth and to a proposed bottom hole location 3155' FWL and 3423' FSL of Section 17, T. 2 N., R. 7 E., SLM, as per the attached Cementing Procedure, Drilling Program, and Borehole Schematic Diagram.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL".

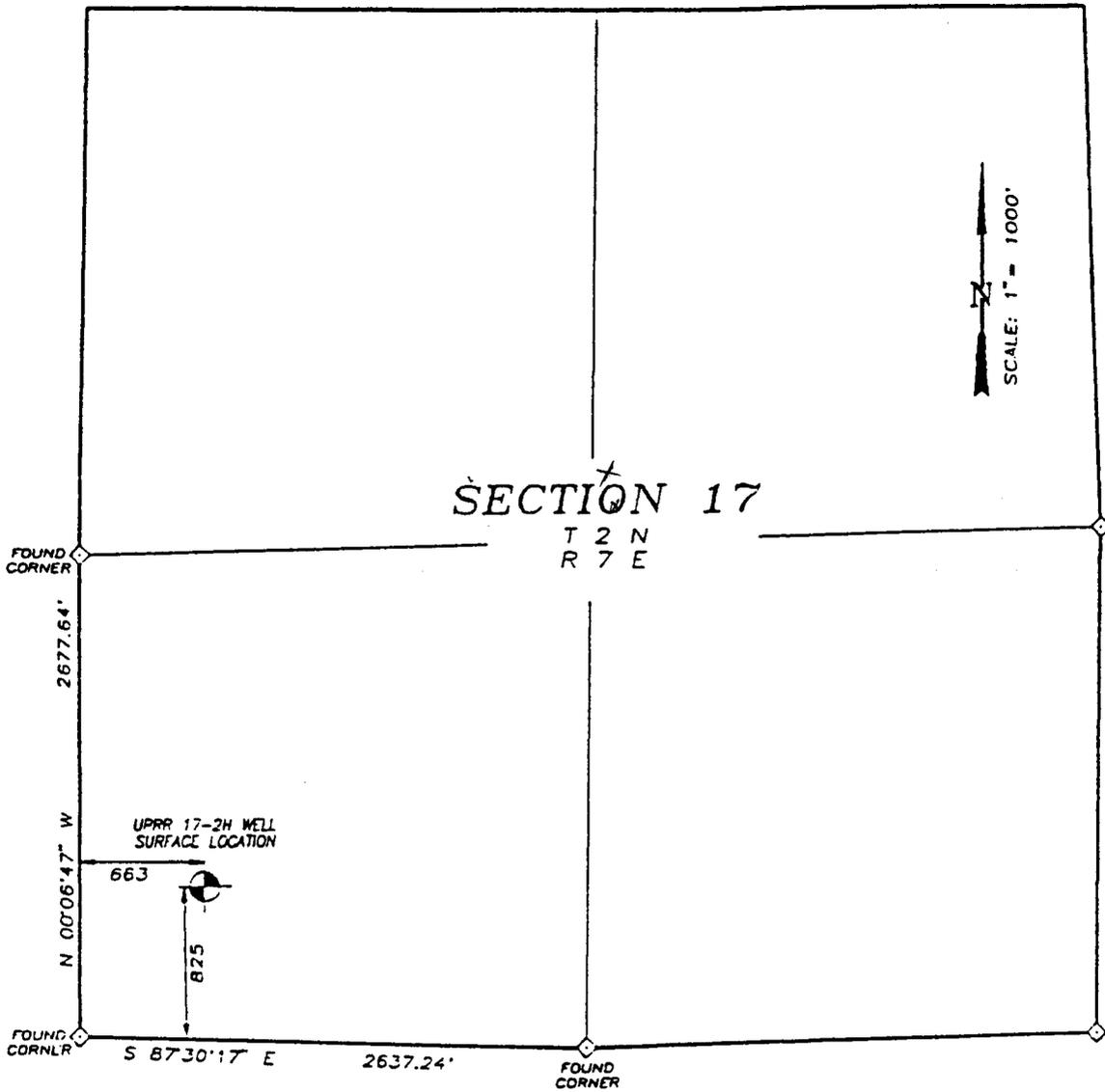
If additional information is needed, please contact the undersigned at (817) 877-7952.

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. I hereby certify that this report is true and complete to the best of my knowledge

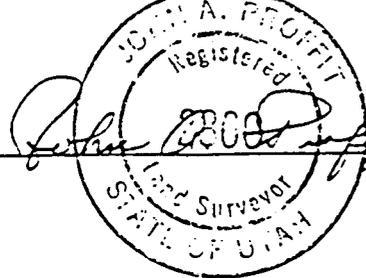
Signed: W. F. Brazelton *W.F. Brazelton* Title: Senior Regulatory Analyst Date: 95-02-01

API No. 43-043-30304 Approval Date APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
 Approved by \_\_\_\_\_ Title \_\_\_\_\_ DATE: 2/10/95  
 Conditions of approval, if any: \_\_\_\_\_ BY: JAN Mattheus  
 (3/89) WELL SPACING: R649-3-2



LOCATION MAP

SURVEYED UNDER MY SUPERVISION  
IN FEBRUARY 1994



MAP TO ACCOMPANY  
APPLICATION FOR PERMIT TO DRILL  
U.P.R.R. 17-2H WELL  
825' FSL 663 FWL  
SW1/4 SECTION 17  
T 2 N, R 7 E, S1E6M  
SUMMIT COUNTY, UTAH

UINTA ENGINEERING & SURVEYING, INC.  
808 MAIN STREET  
EVANSTON, WYOMING 82930  
(307) 789-3602

DATE: 02-14-94 JOB #: 94-28-05  
DSK #: 101 FILE: 94-28-05  
BOOK #: 818

DRAWN BY: Brent Sanders

SHEET 1 OF 1



**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

February 1, 1995

Division of Oil, Gas and Mining  
Department of Natural Resources  
3 Triad Center - Suite 350  
355 North Temple  
Salt Lake City, Utah 84190

**ATTN: Mike Hebertson**

**RE: Application For Permit To Redrill  
UPRR 17-2H Redrill  
Section 17, T. 2 N., R. 7 E., SLM  
Summit County, Utah**

Dear Mike:

Enclosed please find an original and one copy, with attachments, of the above referenced Application For Permit To Drill for the referenced well. Union Pacific Resources Company (UPRC) proposes to plug the existing horizontal lateral in the Rich Formation in the UPRR 17-2H, plug the lateral with cement, set a cement plug up the hole and drill a new horizontal lateral in the Watton Canyon Member of the Twin Creek Formation. Because of rig scheduling, UPRC will appreciate approval of this APD as early as possible. UPRC presently anticipates spudding the well as close to March 1, 1995, as is possible.

Please call me at (817) 877-7952 if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton  
Senior Regulatory Analyst

WFB/bb

enc: (2)



**INTER-OFFICE CORRESPONDENCE**

TO: Horizontal Twin Creek Drilling Foremen

OFFICE:

FROM: W. E. Charles

DATE: 01-27-95

SUBJECT: DRILLING PROCEDURE:

WELL:	UPRR 17-2H Redrill	PROPOSED DEPTH:	13783 ' KBMD
COUNTY:	Summit County, Utah	VERTICAL DEPTH:	10660 ' KBTVD
AFE:	20080	ELEVATION:	6922 '
DHC:	\$ 520 M	ESTIMATED RKB:	6942 '
CWC:	\$ 615 M	WORKING INTEREST:	86.0 %
API NO:	43-043-XXXXX		

LOCATION: SURFACE: 663' FWL & 825' FSL of Section 17-T2N-R7E  
 BHL: 3155' FWL & 3423' FSL of Section 17-T2N-R7E

**ANTICIPATED FORMATION TOPS (RKB TVD)**

7-5/8"/7-3/4" CASING IS SET AT 10047' MD OR  
 10032' TVD/ 135' VERTICAL SECTION.

	@ 0' VERTICAL SECTION	@ 1800' VERTICAL SECTION	@ 3600' VERTICAL SECTION
Watton Canyon Top	10365'	---	---
Watton Canyon Target	10430'	10500'	10660'*
Boudry Ridge	10470'	---	---
Rich	10540'	---	---

\* Suspected water contact. Do not drill deeper than 10660' TVD.

**PROPOSED DIRECTIONAL PROGRAM**

It is UPRC's intent to reenter the subject well and to redrill the well with a horizontal lateral in the lower Watton Canyon bench of the Twin Creek formation. The existing lateral in the Rich formation will be plugged off with cement. The new lateral will be drilled approximately 110' TVD above the existing lateral.

SIDETRACK POINT (MD).....	10075 '
BUILD RATE .....	14 °/100'
TOTAL VERTICAL SECTION .....	3600 '
HOLE ANGLE 0' TO 1800' VS .....	87.8 °
HOLE ANGLE 1800' TO 3600' VS .....	84.9
HOLE DIRECTION .....	46.197 °

- (1) Notify Utah Department of Natural Resources ((801) 538-5340) of intent to reenter well. Move in and rig up SST Rig #56. Bleed off any pressure and load hole with water.
- (2) Nipple up BOP's. Test pipe rams, blind rams, choke lines, and manifold to 250 psi & 5000 psi with BOP testing company. Test annular preventer to 250 & 1500 psi. Install a rotating head above the rig's hydril.
- (3) Pick up 4" drillpipe and 2-7/8" SH drillpipe stinger. Run in hole to casing shoe. Mix and pump 1000 bbls clean water with tracer down hole; displace fluid with 1000 bbls clean water without tracer. Check for SIDPP/SICP.
- (4) Run in hole to 12000' MD. Mix and spot 250 sx Class G + sufficient retarder for 3 hours working time. Pull up to casing and circulate out. Estimated TOC is 11000'. Wait on cement 12 hours.
- (5) Run back in hole and tag TOC. Spot a second 250 sack plug with TOC up inside the 7-3/4" casing. Pull out of hole.
- (6) Trip in hole with junk bit. After allowing cement to set for 18 hours, dress off cement plug to 10075' (28' below casing shoe).
- (7) Run in hole with sidetrack motor and 6-1/2" milltooth bit. Orient bit and sidetrack well off cement plug with direction N-46.2°-E. Build angle at 14°/100'. DO NOT PENETRATE THE RICH FORMATION DURING THE ANGLE BUILD! After building sufficient angle, pull out of the hole.
- (8) Run in hole with performance steerable mud motor and Hycalog DS 71 PDC bit. Drill to programmed TD.
- (9) Drilling from casing point to TD will be done using brine. Wiper trips should only be made as needed to keep torque and drag to a minimum. Should lost circulation occur, drill ahead as long as hole conditions allow.
- (10) Once TD is reached, pull out of hole. Run 4-1/2" pre-perfed liner to TD and release liner with top near 10000' MD. Pull out of hole and lay down pipe.
- (8) Install bullplugged mandrel type tubing hanger in 7-1/16" tubing spool. Lock down hanger; test above hanger and below blind rams to 1500 psi.
- (9) Nipple down BOP's. Install 7-1/16" x 2-7/8" 5000 psi tree. Rig down and load out equipment.

WEC:

**WELL PLANNING  
REPORT**

**U.P.R.C.**

**UPRR 17-2H REDRILL**

**1/30/95**

**SPERRY-SUN DRILLING SERVICES  
WELL PROFILE DATA**

S/L 663 FWL & 825 FSL  
SECTION 17-T2N-R7E  
SUMMIT COUNTY, UTAH

U.P.R.C.  
UPRR 17-2H REDRILL

1/30/95

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE (Ft.)	DEPARTURE (Ft.)	VERTICAL SECTION	DOG LEG	TOOL FACE
10075.88	10.200	357.100	10061.23	101.73 S	289.44 E	138.48		
<b>10075.95</b>	<b>10.194</b>	<b>357.057</b>	<b>10061.30</b>	<b>101.72 S</b>	<b>289.44 E</b>	<b>138.49</b>	<b>14.000</b>	<b>230.131</b>
<b>10106.63</b>	<b>10.194</b>	<b>357.057</b>	<b>10091.49</b>	<b>96.30 S</b>	<b>289.16 E</b>	<b>142.04</b>	<b>0.000</b>	<b>0.000</b>
10125.00	12.011	6.552	10109.52	82.77 S	289.30 E	144.58		
10150.00	14.842	15.472	10133.84	87.10 S	290.45 E	149.33		
10175.00	17.907	21.495	10157.82	80.44 S	292.71 E	155.58		
10200.00	21.104	25.777	10181.39	72.81 S	296.08 E	163.29		
10225.00	24.381	28.964	10204.44	64.24 S	300.53 E	172.44		
10250.00	27.709	31.432	10226.90	54.76 S	306.07 E	182.99		
10275.00	31.073	33.406	10248.68	44.41 S	312.65 E	194.91		
10300.00	34.462	35.027	10269.70	33.23 S	320.26 E	208.14		
10325.00	37.868	36.391	10289.88	21.26 S	328.88 E	222.65		
10350.00	41.288	37.560	10309.15	8.54 S	338.46 E	238.37		
10375.00	44.718	38.580	10327.43	4.88 N	348.98 E	255.24		
10400.00	48.157	39.483	10344.65	18.95 N	360.39 E	273.22		
10425.00	51.601	40.294	10360.76	33.61 N	372.65 E	292.22		
10450.00	55.051	41.032	10375.69	48.82 N	385.71 E	312.17		
10475.00	58.505	41.709	10389.38	64.51 N	399.54 E	333.01		
10500.00	61.962	42.338	10401.79	80.63 N	414.06 E	354.65		
10525.00	65.422	42.928	10412.87	97.11 N	429.24 E	377.01		
10550.00	68.884	43.487	10422.58	113.90 N	445.01 E	400.01		
10575.00	72.348	44.019	10430.87	130.93 N	461.32 E	423.57		
10600.00	75.813	44.532	10437.73	148.14 N	478.10 E	447.60		
10625.00	79.279	45.029	10443.12	165.46 N	495.29 E	472.00		
10650.00	82.746	45.515	10447.03	182.84 N	512.84 E	496.68		
10675.00	86.213	45.993	10449.43	200.20 N	530.66 E	521.56		
<b>10685.72</b>	<b>87.700</b>	<b>46.197</b>	<b>10450.00</b>	<b>207.62 N</b>	<b>538.37 E</b>	<b>532.27</b>	<b>14.000</b>	<b>49.905</b>
10700.00	87.704	45.339	10450.57	217.57 N	548.60 E	546.53		
10800.00	87.745	39.335	10454.55	291.40 N	615.86 E	646.19		
<b>10881.34</b>	<b>87.796</b>	<b>34.451</b>	<b>10457.71</b>	<b>356.38 N</b>	<b>664.64 E</b>	<b>726.37</b>	<b>6.000</b>	<b>270.236</b>
11000.00	87.796	34.451	10462.28	454.16 N	731.72 E	842.46		
<b>11780.35</b>	<b>87.796</b>	<b>34.451</b>	<b>10492.29</b>	<b>1097.17 N</b>	<b>1172.83 E</b>	<b>1605.90</b>	<b>0.000</b>	<b>0.000</b>
11800.00	87.782	35.631	10493.04	1113.25 N	1184.11 E	1625.17		
11900.00	87.726	41.635	10496.97	1191.27 N	1246.47 E	1724.18		
<b>11975.97</b>	<b>87.700</b>	<b>46.197</b>	<b>10500.00</b>	<b>1245.93 N</b>	<b>1299.10 E</b>	<b>1800.00</b>	<b>6.000</b>	<b>90.699</b>
12000.00	86.258	46.197	10501.27	1262.54 N	1316.42 E	1824.00		
<b>12022.90</b>	<b>84.884</b>	<b>46.197</b>	<b>10503.04</b>	<b>1278.35 N</b>	<b>1332.90 E</b>	<b>1846.83</b>	<b>6.000</b>	<b>180.000</b>
13000.00	84.884	46.197	10590.17	1951.98 N	2035.29 E	2820.04		
<b>13783.08</b>	<b>84.884</b>	<b>46.197</b>	<b>10660.00</b>	<b>2491.85 N</b>	<b>2598.21 E</b>	<b>3600.00</b>	<b>0.000</b>	<b>0.000</b>

**SPERRY-SUN DRILLING SERVICES  
WELL PROFILE DATA**

S/L 663 FWL & 825 FSL  
SECTION 17-T2N-R7E  
SUMMIT COUNTY, UTAH

**U.P.R.C.  
UPRR 17-2H REDRILL**

**1/30/95**

**The Dogleg Severity is in Degrees per 100.00 Feet  
Vertical Section was calculated along an Azimuth of 46.197° (True)**

**Based upon Minimum Curvature type calculations. At a Measured Depth of 13783.08 Feet,  
the Bottom Hole Displacement is 3600.00 Feet, in the Direction of 46.197° (True)**

SPERRY-SUN DRILLING SERVICES  
WELL PROFILE DATA

NTY, UTAH

U.P.R.C.  
UPRR 17-2H REDRILL

1/30/95

FORMATION TOPS

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE (FL)	DEPARTURE (FL)	
10431.90	52.553	40.505	10365.00	37.76 N	376.18 E	WATTON CANYON TOP
10572.15	71.952	43.960	10430.00	128.98 N	459.43 E	WATTON CANYON TARGET
11200.82	87.796	34.451	10470.00	619.64 N	845.24 E	BOUNDRY RIDGE
12437.42	84.884	46.197	10540.00	1564.12 N	1630.88 E	RICH (WATER)

TARGET INFORMATION

TARGET NUMBER	VERTICAL DEPTH	LATITUDE (FL)	DEPARTURE (FL)	VERTICAL SECTION	TARGET RADIUS
1	10660.00	2491.85 N	2598.21 E	3600.00	0.00

Vertical Section Direction = 46.197° (True)

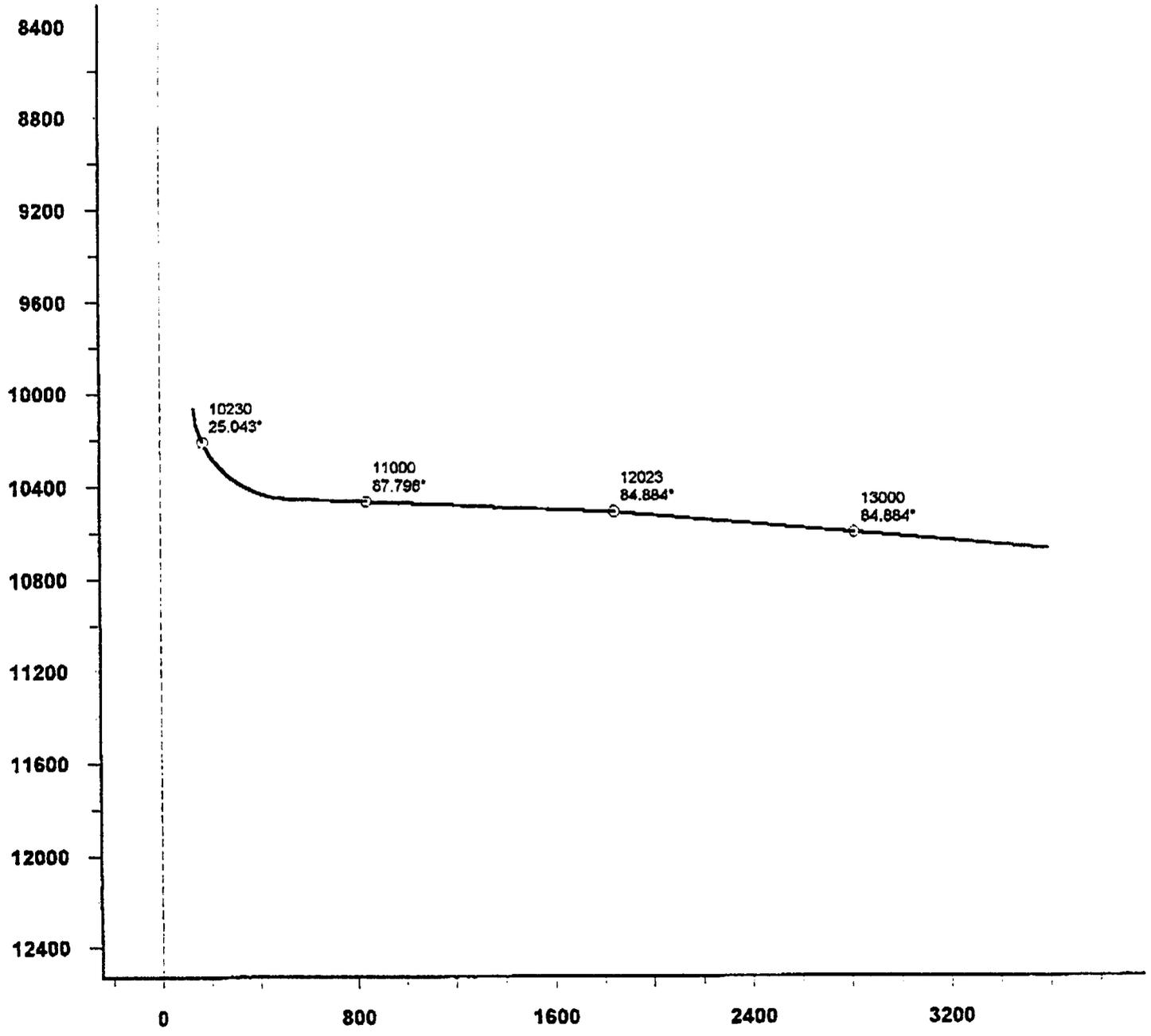
(united)

SPERRY-SUN DRILLING SERVICES  
VERTICAL SECTION

Y, UTAH

U.P.R.C.  
UPRR 17-2H REDRILL

1/30/95



VERTICAL SECTION - Direction: 46.197° (True)

Depths shown on plot are Measured Depths.  
All measurements are in Feet.

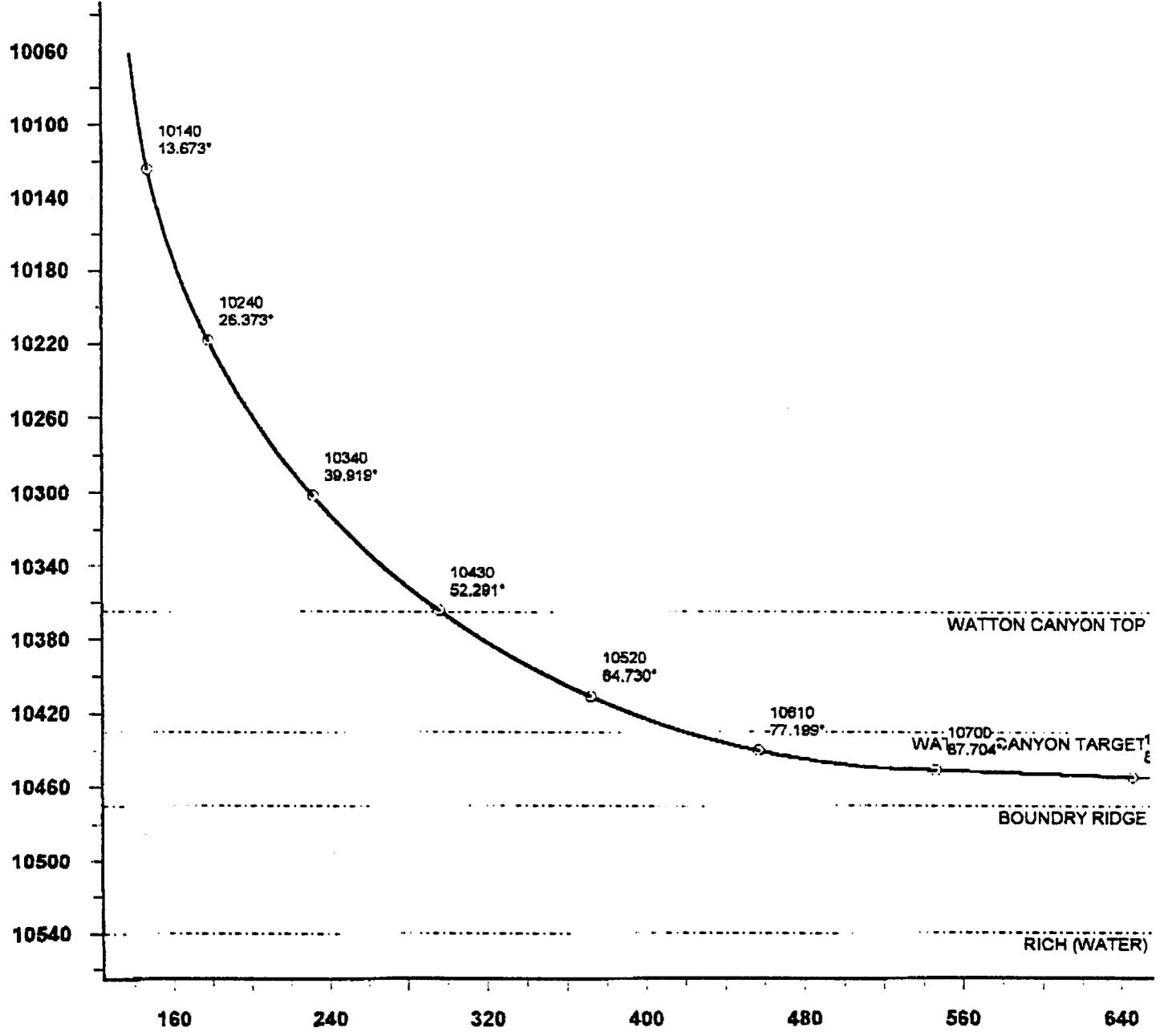
[Landed]

**SPERRY-SUN DRILLING SERVICES  
VERTICAL SECTION**

Y, UTAH

**U.P.R.C.  
UPRR 17-2H REDRILL**

1/30/95



**VERTICAL SECTION - Direction: 46.197° (True)**

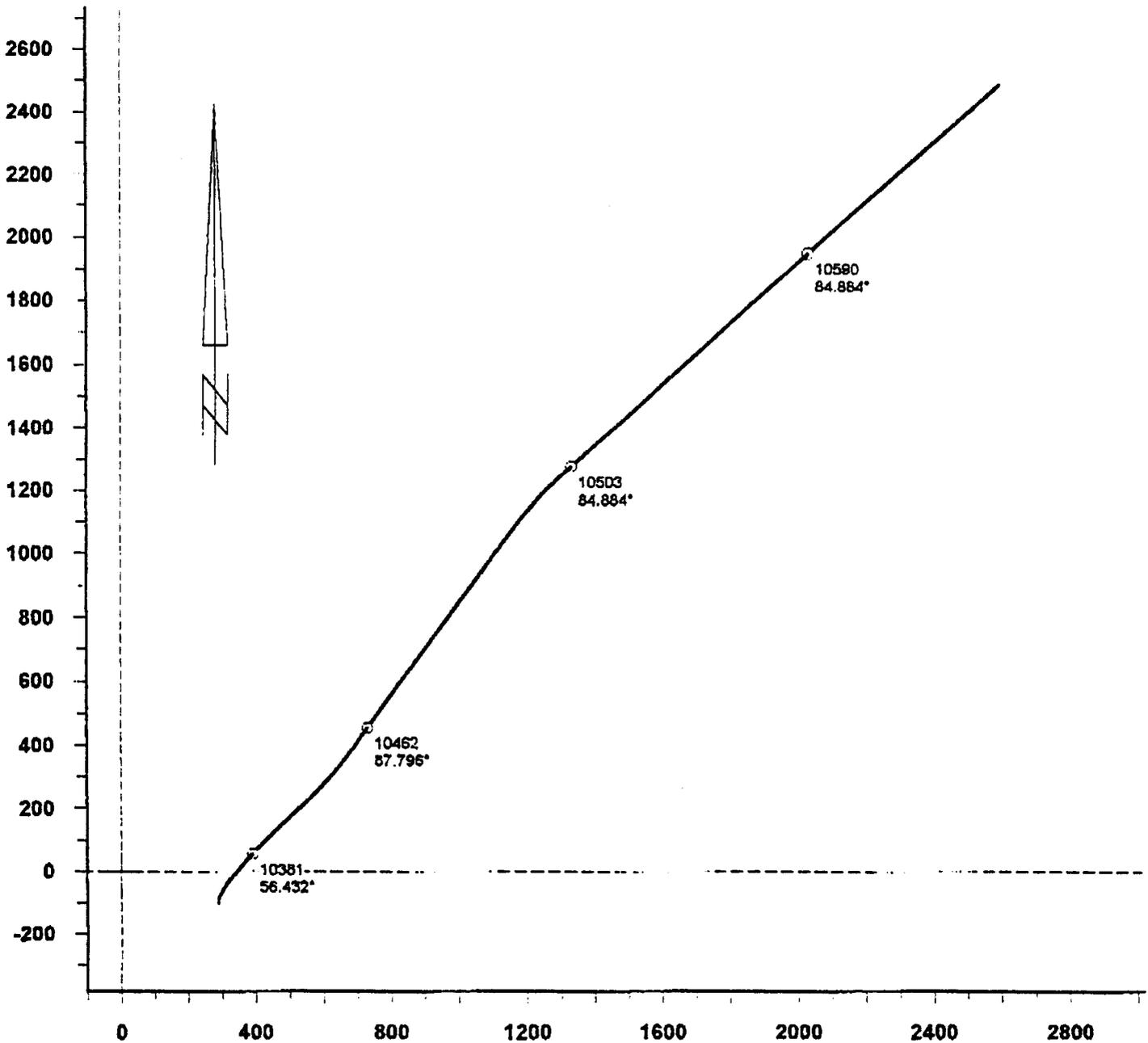
Depths shown on plot are Measured Depths.  
All measurements are in Feet.

SPERRY-SUN DRILLING SERVICES  
HORIZONTAL SECTION

Y, UTAH

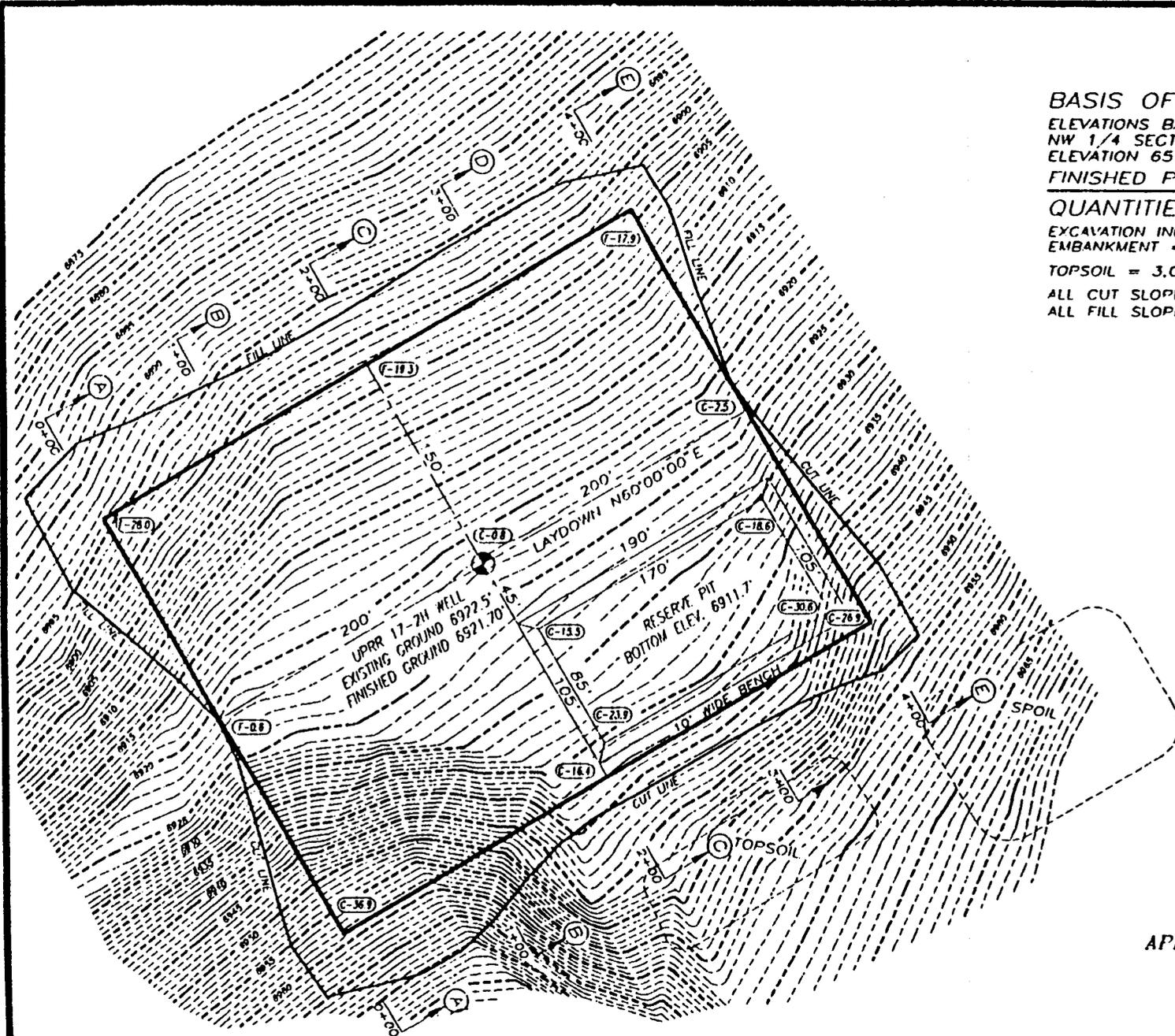
U.P.R.C.  
UPRR 17-2H REDRILL

1/30/95



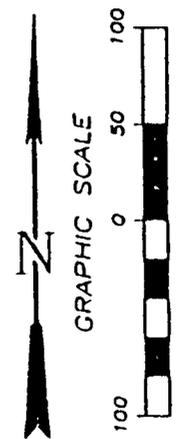
**DEPARTURE VALUES**  
Depths shown on plot are Vertical Depths.  
All measurements are in Feet.

(Unread)



**BASIS OF ELEVATION:**  
 ELEVATIONS BASED ON U.S.G.S. B.M.  
 NW 1/4 SECTION 3, T2N, R7E  
 ELEVATION 6579.00'  
 FINISHED PAD ELEVATION TO BE 6921.70'

**QUANTITIES**  
 EXCAVATION INCLUDING PIT = 37,438 C.Y.  
 EMBANKMENT = 30,729 C.Y.  
 TOPSOIL = 3,003 C.Y.  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1



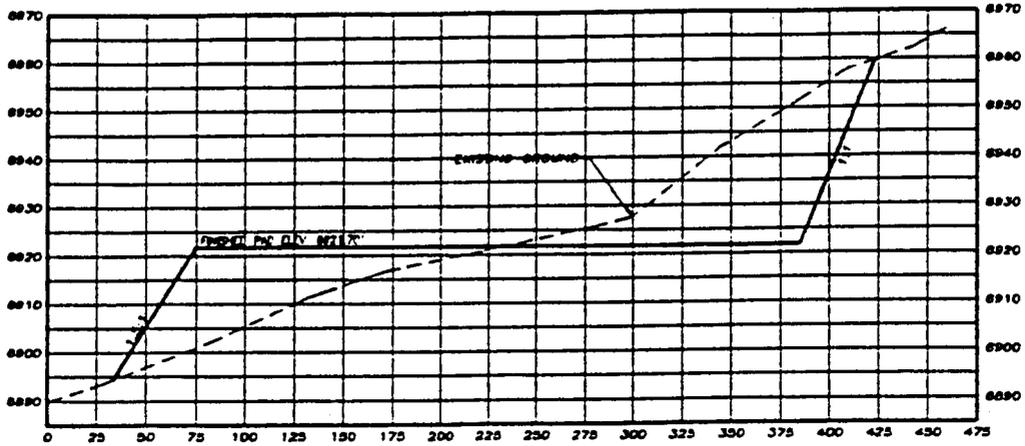
**MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, S18M  
 SUMMIT COUNTY, UTAH**

UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

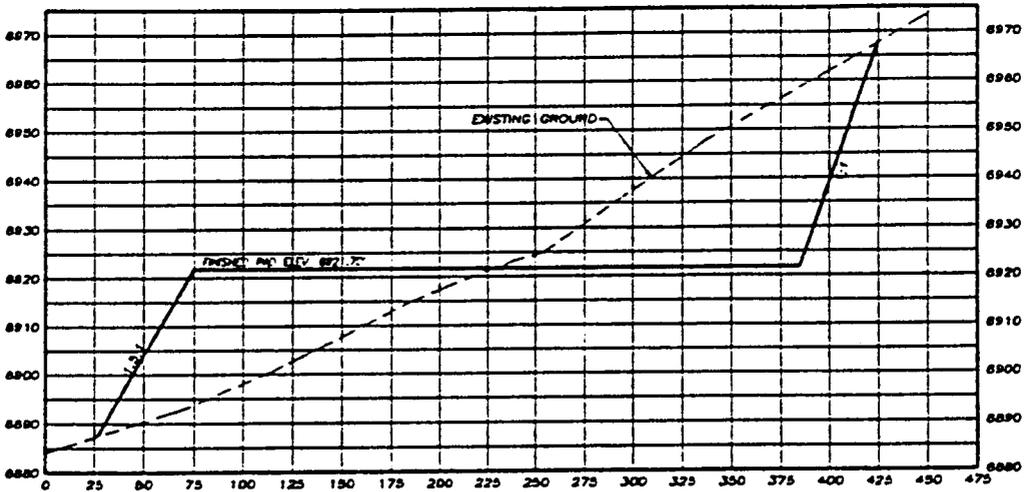
DATE: 07-14-94 JOB # 94-26-05  
 DSX # 101 FILE: 94-26-05  
 BOOK # 818

DRAWN BY: Brent Sanders SHEET 2 OF 5

### SECTION B - B



### SECTION A - A



MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH

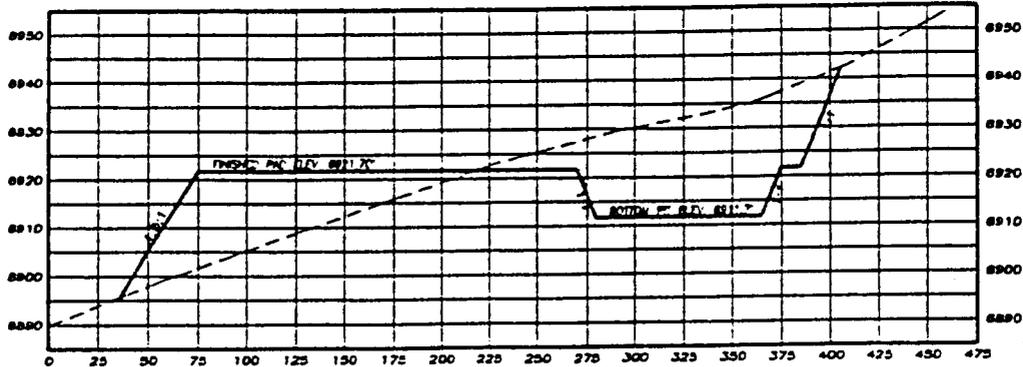
UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

DATE: 02-14-04 JOB #: 94-29-05  
 DESK #: 101 FILE: 94-29-05

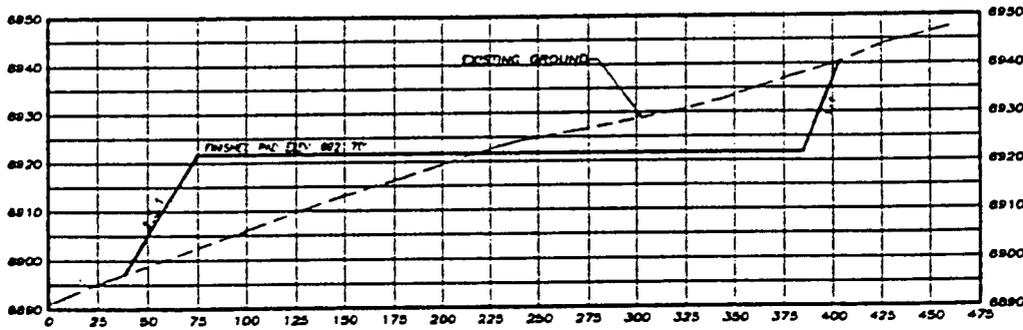
BOOK #: 818  
 DRAWN BY: Brent Sanders

SCALE:  
 HORIZ: 1" = 100'  
 VERT: 1" = 40'  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1

### SECTION D - D



### SECTION C - C



SCALE:  
 HORIZ: 1" = 100'  
 VERT: 1" = 40'  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1

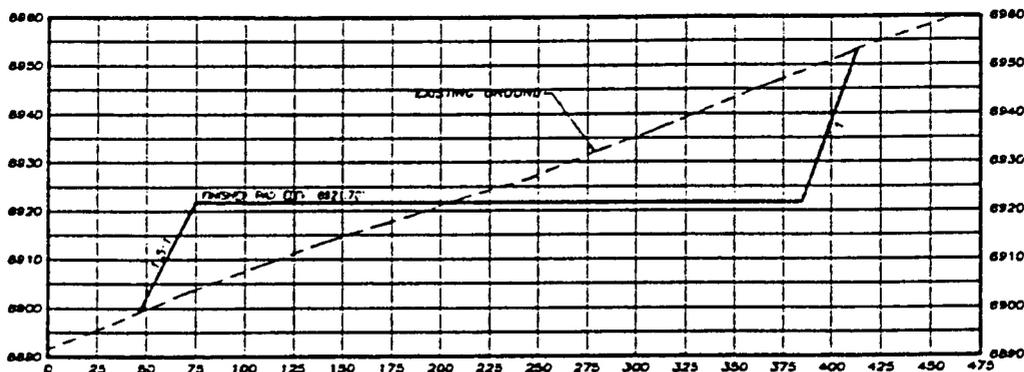
MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH

UINTA ENGINEERING & SURVEYING, INC.  
 805 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

DATE: 02-14-04 JOB #: 04-28-05  
 DESK #: 101 FILE: 04-28-05

BOOK #: 618  
 DRAWN BY: Brent Sanders

### SECTION E - E



SCALE:  
 HORIZ: 1" = 100'  
 VERT: 1" = 40'  
 ALL CUT SLOPES ARE 1 : 1  
 ALL FILL SLOPES ARE 1.5 : 1

MAP TO ACCOMPANY  
 APPLICATION FOR PERMIT TO DRILL  
 U.P.R.R. 17-2H WELL  
 825' FSL 663 FWL  
 SW1/4 SECTION 17  
 T 2 N, R 7 E, SLBM  
 SUMMIT COUNTY, UTAH

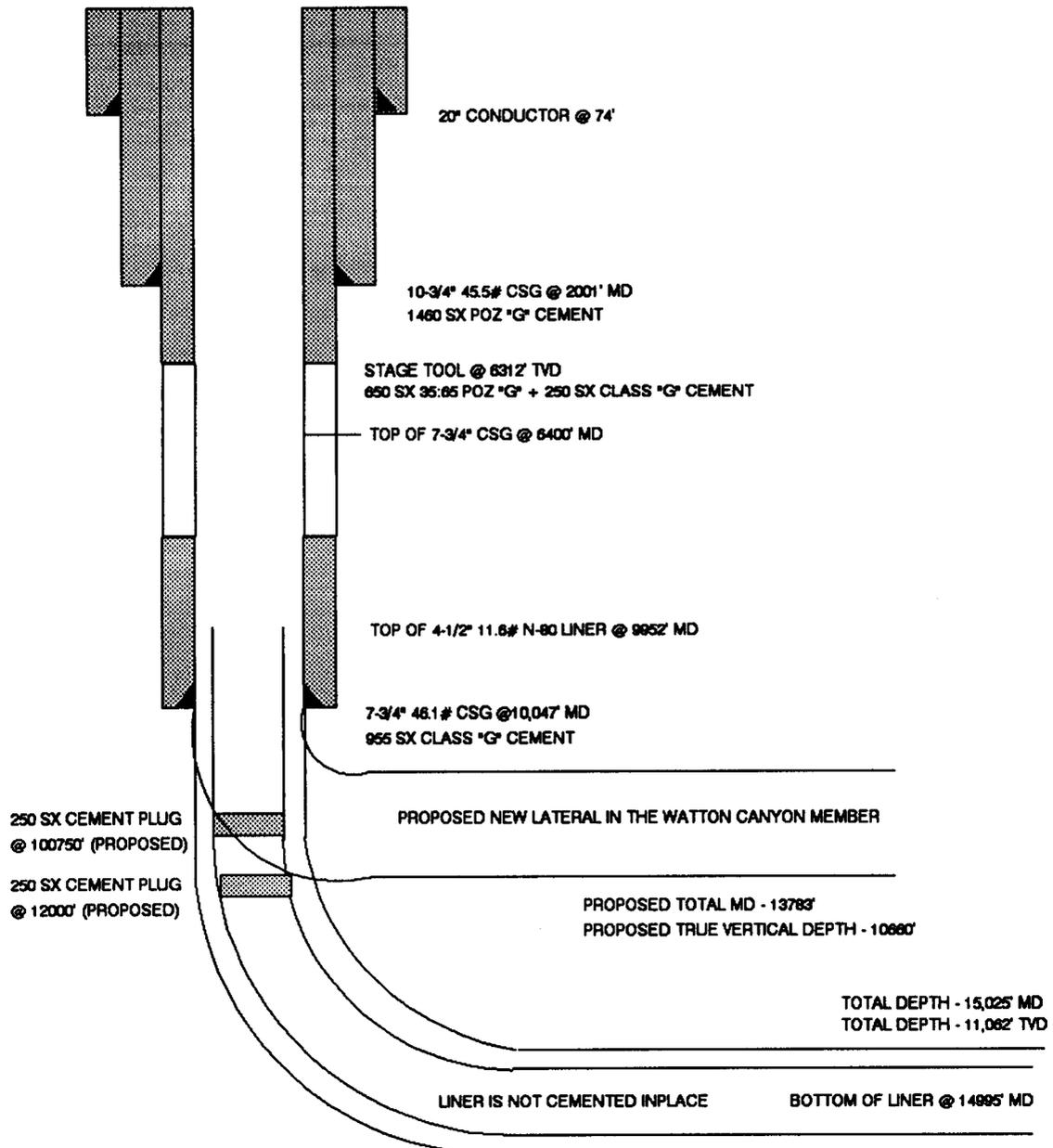
UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602  
 DATE: 02-14-84 JOB #: 94-26-05  
 DSK #: 101 FILE: 94-26-05  
 BOOK #: 818  
 DRAWN BY: Brent Sanders

WELL NAME: UPRR 17-2H  
Sec. 17, T. 2 N., R. 7 E., SLBM  
Summit County, Utah  
API No. 43-043-30304

DATE: 95-01-20  
BY: WFB

FIELD: Elkhorn

SPUD DATE: 94-04-26



UNION PACIFIC RESOURCES COMPANY

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/01/95

API NO. ASSIGNED: 43-043-30304

WELL NAME: UPRR 17-2H (RE-ENTRY)  
OPERATOR: UNION PACIFIC RESOURCES (N9465)

PROPOSED LOCATION:  
SWSW 17 - T02N - R07E  
SURFACE: 0825-FSL-0663-FWL  
BOTTOM: 3423-FSL-3155-FWL  
SUMMIT COUNTY  
ELKHORN FIELD (520)

INSPECT LOCATION BY: 02/07/95		
TECH REVIEW	Initials	Date
Engineering	<i>JAM</i>	2/10/95
Geology	<i>[Signature]</i>	2/9/95
Surface	<i>[Signature]</i>	2/9/95

LEASE TYPE: FEE  
LEASE NUMBER: PATENTED

PROPOSED PRODUCING FORMATION: WTCYN

RECEIVED AND/OR REVIEWED:

Y Plat  
Y Bond: Federal[] State[] Fee[Y]  
(Number 244 7222)  
N Potash (Y/N)  
N Oil shale (Y/N)  
N Water permit  
(Number \_\_\_\_\_)  
N RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
 R649-3-2. General.  
\_\_\_ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
Board Cause no: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_  
*\* Stipulations #1 through #8 - previous drlg. approval of March 22, 1994.*

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 4-27-96



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

February 10, 1995

**Union Pacific Resources Company**  
P.O. Box 7 MS 3006  
Fort Worth, Texas 76101-0007

Re: Amended Approval for UPRR #17-2H Well, Surface Location 825' FSL, 663' FWL, Bottom Hole Location 3423' FSL, 3155' FWL, NE NE, Sec. 17, T. 2 N., R. 7 E., Summit County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill and reenter the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Union Pacific Resources Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
2. Pursuant to Utah Admin. R. 649-3-34 Well Site Restoration, an operator shall make a reasonable effort to establish a surface use agreement with the owner of the fee or private land included in the wellsite prior to the commencement of drilling a new well, reentering an abandoned well or assuming operatorship of an existing well. Accordingly, Union Pacific Resources Company shall submit an affidavit to the Division stating whether an appropriate surface use agreement has been established with and approved by the surface landowner of the wellsite.
3. Drainage should be diverted around the southwest edge of the location and a culvert installed to divert the runoff under the access road.

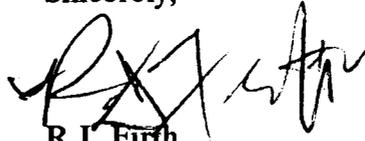


4. The reserve pit should be padded or smoothed so that a synthetic liner of 12 mil thickness will not puncture.
5. A ditch should be constructed on the south and east sides of the location to divert runoff from the location into the brush on the northeast corner.
6. A berm to catch sediment should be constructed around the base of the location on all fill sides.
7. Ground netting should be placed on all fill slopes of the location to provide erosion control.
8. Culverts should be installed and drainage ditches constructed as necessary to provide for runoff diversion away from the access road.
9. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, submittal of a complete angular deviation and directional survey report is required.
10. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
11. Notification to the Division within 24 hours after drilling operations commence.
12. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
13. Submittal of the Report of Water Encountered During Drilling, Form 7.
14. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.
15. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

Page 2  
Union Pacific Resources Company  
UPRR #17-2H Well  
February 10, 1995

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-043-30304.

Sincerely,



R.J. Firth  
Associate Director

ldc  
Enclosures  
cc: Summit County Assessor  
Bureau of Land Management, Vernal District Office  
WOI1



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

Michael O. Leavitt  
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James W. Carter  
Division Director

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

February 10, 1995

**Union Pacific Resources Company**  
P.O. Box 7 MS 3006  
Fort Worth, Texas 76101-0007

Re: UPRR #17-2H Well, Surface Location 825' FSL, 663' FWL, Bottom Hole Location 3423' FSL, 3155' FWL, NE NE, Sec. 17, T. 2 N., R. 7 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill and reenter the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Union Pacific Resources Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
2. Pursuant to Utah Admin. R. 649-3-34 Well Site Restoration, an operator shall make a reasonable effort to establish a surface use agreement with the owner of the fee or private land included in the wellsite prior to the commencement of drilling a new well, reentering an abandoned well or assuming operatorship of an existing well. Accordingly, Union Pacific Resources Company shall submit an affidavit to the Division stating whether an appropriate surface use agreement has been established with and approved by the surface landowner of the wellsite.
3. Drainage should be diverted around the southwest edge of the location and a culvert installed to divert the runoff under the access road.

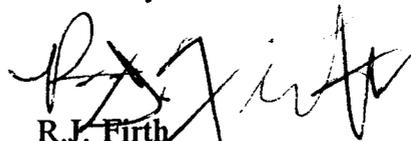


4. The reserve pit should be padded or smoothed so that a synthetic liner of 12 mil thickness will not puncture.
5. A ditch should be constructed on the south and east sides of the location to divert runoff from the location into the brush on the northeast corner.
6. A berm to catch sediment should be constructed around the base of the location on all fill sides.
7. Ground netting should be placed on all fill slopes of the location to provide erosion control.
8. Culverts should be installed and drainage ditches constructed as necessary to provide for runoff diversion away from the access road.
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13. Submittal of the Report of Water Encountered During Drilling, Form 7.
14. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.
15. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

Page 2  
Union Pacific Resources Company  
UPRR #17-2H Well  
February 10, 1995

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-043-30304.

Sincerely,



R.J. Firth  
Associate Director

ldc  
Enclosures  
cc: Summit County Assessor  
Bureau of Land Management, Vernal District Office  
WOI1

# CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: UNION PACIFIC RESOURCES (RE-ENTRY)

Well Name: UPRR 17-2H

Api No. 43-043-30304

Section 17 Township 2N Range 7E County SUMMIT

Drilling Contractor SST

Rig # 56

SPUDDED: Date 2/19/95

Time 7:00 PM

How ROTARY

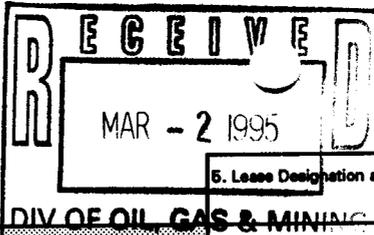
Drilling will commence \_\_\_\_\_

Reported by DON PARENSKOSKI

Telephone # \_\_\_\_\_

Date: 2/20/95 Signed: FRM

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well:

OIL ( X )      GAS ( )      OTHER:

2. Name of Operator

Union Pacific Resources Company

3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
Telephone (817) 877-6000 (Main Number)

4. Location of Well

Footage 825' FSL, 663' FWL Sec. 17, T. 2 N., R. 7 E., SLBM County Summit  
QQ, Sec., T., R., M. SW/SW Sec. 17, T. 2 N., R. 7 E., SLBM State Utah

5. Lease Designation and Serial No.

UPRR Fee

6. If Indian, Allottee or Tribe Name

NA

7. Unit Agreement Name

NA

8. Well Name and Number

17-2H(Redrill)

9. API Well Number

43-043-30304

10. Field and Pool, or Wildcat

Elkhorn

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

NOTICE OF INTENT

(Submit in Duplicate)

- ( ) Abandonment
- ( ) Casing Repair
- ( ) Change of Plans
- ( ) Conversion to Injection
- ( ) Fracture Test
- ( ) Multiple Completion
- ( ) Other \_\_\_\_\_
- ( ) New Construction
- ( ) Pull or Alter Casing
- ( ) Recompletion
- ( ) Shoot or Acidize
- ( ) Vent or Flare
- ( ) Water Shutoff

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT

(Submit Original Form Only)

- ( ) Abandonment \*
- ( ) Casing Repair
- ( ) Change of Plans
- ( ) Conversion to Injection
- ( ) Fracture Treat
- ( X ) Other: Weekly Progress Report
- ( ) New Construction
- ( ) Pull or Alter Casing
- ( ) Shoot of Acidize
- ( ) Vent or Flare
- ( ) Water Shut-Off Shutoff

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

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

Weekly Progress Report No. 1., Week Ending February 28, 1995

Well Spudded February 20, 1995

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13.

Name/Signature: W. F. Brazelton *W.F. Brazelton* Title: Senior Regulatory Analyst Date 95-02-28

(This space for State use only)

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 1

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
02/20/95	13129		<p>AFE #20080 IN THE AMOUNT OF \$615M TO RE ENTER THE EXISTING RICH MEMBER LATERAL OF THE UPRR 17-2H WELL, PLUG BACK TO THE INTERMEDIATE CASING SHOE, &amp; RE DRILL, COMPLETE, &amp; EQUIP A 13783' MD (10660' TVD) LATERAL IN THE WATTON CANYON MEMBER OF THE TWIN CREEK FORMATION. WELL IS LOCATED @ 663' FWL, 825' FSL, SECTION 17, T2N, R7E, SUMMIT CO., UT. 6948' RKB ELEV. (24' GL RKB).</p> <p>05:00 19:00 MIRU/RDMO - FINISH MOVING IN/RIGGING UP SST RIG #56. RIG ON DAYWORK @ 1900 HRS. 2/19/95.</p> <p>19:00 05:00 NU/ND BOP/DIVERTER - CLEAN OUT ICE &amp; WATER FROM CELLAR, CHECK CASING PRESSURE - 0 PSI, VERY SLIGHT BLOW WITH VALVE OPEN, ND BLIND FLANGE, SCREW TIW VALVE IN OPENING IN TUBING HANGER IN TUBING SPOOL, SHUT VALVE, NU BOPE, ROTATING HEAD, &amp; FLOWLINE. FILL MUD TANKS WITH PIT WATER WHILE NU.</p> <p>NOTE: RKB ELEVATION HAS INCREASED 2' SINCE ORIGINAL WELL WAS DRILLED DUE TO LOCATION MAINTENANCE AND PREPARATION FOR SOFT/MUDDY CONDITIONS, REQUIRING ADDITIONAL GRAVEL.</p> <p>RIG FUEL DELS./24 HRS.:7480 GALS./CUM.:7480 GALS.</p> <p>WEATHER: CLEAR, CALM, 20 DEG. F., NO NEW MOISTURE LAST 24 HRS. / LOC. &amp; ACCESS: PAD 3-12" MUD, ROAD - OK.</p>

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 2 TO REPORT No. 8

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
02/21/95	13129	05:00 09:00	NU/ND BOP/DIVERTER - FINISH NU BOPE, ROTATING HEAD & FLOWLINE.
		09:00 18:30	TEST BOPS/DIVERTER - RU DOUBLE JACK & TEST PIPE RAMS, BLIND RAMS, CHOKE MANIFOLD, CHOKE LINE, SUPER CHOKE, UPPER & LOWER KELLY VALVES, & FLOOR VALVES TO 250 PSI FOR 5 MINS. & 5000 PSI FOR 10 MINS. - OK. TEST ANNULAR PREVENTER TO 250 PSI FOR 5 MINS. & 1500 PSI FOR 10 MINS. - OK. HAD NUMEROUS LEAKS IN FLOOR VALVES OR FLANGES THAT NEEDED TIGHTENED OR REPLACED. ALSO HAD TO CHANGE PIPE RAM RUBBERS TO GET PIPE RAMS TO HOLD & CHANGE PLATES IN SUPER CHOKE TO GET IT TO HOLD. RD TESTER.
		18:30 05:00	LD/PU DRILL PIPE/TBG. - RU PICK UP MACHINE & CER TUBING TONGS, RU TUBING HANDLING TOOLS. FUNCTION TEST ANNULAR PREVENTER ON 2 7/8" TUBING - OK. BEGAN PU 2 7/8" TUBING STINGER. TUBING TONGS NOT DELIVERING ENOUGH TORQUE, WORK ON TONGS WITH NO SUCCESS, RD CER TONGS, WAIT ON & RU AMERICAN TUBING TONGS, RESUME RUNNING 2 7/8" TUBING. RAN TOTAL OF 60 JTS. 2 7/8", 6.4#, L-80, EUE, 8RD TUBING. TOTAL STINGER LENGTH 1974.39'. MAKE UP CROSSOVER SUBS, RD TUBING TONGS & HANDLING TOOLS, RU DRILLPIPE HANDLING TOOLS, BEGIN PU 4" DRILLPIPE @ REPORT TIME.
			NOTIFIED UTAH DEPARTMENT OF NATURAL RESOURCES (FRANK MATTHEWS) @ 0935 HRS. 02/20/95 THAT OPERATIONS ON RE ENTRY PROJECT HAD COMMENCED.
			RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 7480 GALS.
			WEATHER: CLEAR, CALM, 22 DEG. F., NO NEW MOISTURE LAST 24 HRS. / LOC. & ACCESS: ROAD - OK, PAD - RUNOFF FROM SNOW MELT, FROST REMOVAL, & TRAFFIC ON LOCATION PRODUCING 3-18" MUD, IMPEDING MOVEMENT ACROSS PAD & RIG UP ACTIVITY.
02/22/95	13129	05:00 16:30	LD/PU DRILL PIPE/TBG. - CONT'D PU 4" DRILLPIPE & RIH WITH 2 7/8" TUBING STINGER TO 100035'.
		16:30 05:00	PUMP CHEMICAL TRACER IN LATERAL #1 - PU KELLY & START PUMPING PIT WATER DOWN DRILLPIPE TO CHECK FOR OBSTRUCTIONS, WELL STARTED CIRCULATING WITH 92 BBLs. PUMPED, OIL & GAS TO SURFACE IMMEDIATELY, SHUT IN PIPE RAMS. MIX 1000 BBLs. 8.4 PPG RESERVE PIT WATER WITH 110 GALS. AMMONIUM THIOCYANATE CHEMICAL TRACER & PUMP DOWN DRILLPIPE WITH PIPE RAMS SHUT @ 11-12 BPM @ 1500 PSI. DISPLACE TRACER LADEN WATER DOWN DRILLPIPE WITH 230 BBLs. RESERVE PIT WATER (132 BBLs. OVER STRING INTERNAL CAPACITY) @ 11-12 BPM & 1500 PSI. RESERVE PIT STARTED RUNNING LOW ON WATER (UNABLE TO SEE FLUID LEVEL DUE TO ICE ON PIT, BUT RETURN PUMP VOLUME BECOMING ERRATIC), SHUT DOWN, ISIP 700 PSI. WAIT ON WATER TRUCKS TO REBUILD VOLUME IN MUD PITS, CONTINUED DISPLACING CHEMICAL TRACER

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 2 TO REPORT No. 8

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
02/23/95	13129	05:00 09:00	<p>INTO LATERAL #1 BY PUMPING ADDITIONAL 770 BBLs. RESERVE PIT WATER DOWN CASING/DRILLPIPE ANNULUS @ 14-15 BPM @ 1800-2100 PSI CASING PRESSURE (1500-1700 PSI SIDPP WHILE PUMPING). ISIP 1400 PSI, 1 HR. 725 PSI, 2 HRS. 475 PSI, 3 HRS. 350 PSI, 4 HRS. 300 PSI, 5 HRS. 225 PSI @ REPORT TIME.</p> <p>RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 7480 GALS.</p> <p>WEATHER: CLEAR, CALM, 25 DEG. F., NO NEW MOISTURE LAST 24 HRS. / LOC. &amp; ACCESS: ROAD - OK, PAD - FROST REMOVAL &amp; TRAFFIC ON LOCATION CONTINUING TO PRODUCE 6-18" MUD. HAD TO MOVE DOWELL TRUCKS ONTO LOCATION WITH AID OF DOZER. MONITOR SHUT IN PRESSUE OPENED UP, NO FLOW BACK</p>
		09:00 11:00	PU 63 JTS DP, TO 12004'
		11:00 12:30	RU DS, PUMP 22 BBL WATER, 250 SX "G", W .2% D-800, WT 15.8, YEILD 1.15 51 BBL SLURRY, FOLLOW WITH 4 BBL FRESH WATER, AND 108 BBL OF PIT WATER, SHUT DOWN, WELL FLOWING BACK SLIGHTLY.PLUG IN PLACE @ 12:00
		12:30 15:00	TOH, PULLED FIRST 30 STANDS SLOW
		15:00 15:30	RU TBG HANGER, AND HANG OFF TO RU ROTATING HEAD
		15:30 21:30	WOC, AND INSTALL ROTATING HEAD BERRING PACKAGE
		21:30 00:30	TIH, W/ SLM TO 10966, TOP OF CEMENT
		00:30 02:30	FILL PIPE, AND CIRC BTMS UP, FIRST 5 BBL PURE OIL
		02:30 03:45	RU DS, PUMP 20 BBL WATER, 250 SX "G" W/ .2% D-800, WT 15.8, YEILD 1.15, 51 BBL SLURRY DISPLACE WITH 103 BBL WATER, SLIGHT FLOW BACK WHEN WE BROKE OFF, PLUG IN PLACE @ 03:45
		03:45 05:00	TOH, 30 STANDS, REVERSE OUT
02/24/95	10394	05:00 07:30	<p>RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 7480 GALS.</p> <p>WEATHER: CLEAR, CALM, 24 DEG. F., NO NEW MOISTURE LAST 24 HRS. / LOC. &amp; ACCESS: ROAD - OK, PAD - FROST REMOVAL &amp; TRAFFIC ON LOCATION CONTINUING TO PRODUCE 6-18" MUD. HAD TO MOVE DOWELL TRUCKS ONTO LOCATION WITH AID OF DOZER. REVERSE OUT, AND FINISH TOH TO TUBBING.</p>
		07:30 10:30	RU AMERICAN PIPE, LD 60 JTS 2 7/8" TBG, RD AMERICAN PIPE.
		10:30 13:00	MOVE TBG. OFF RACKS, SLM 21 4 3/4" DCS, AND PU

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 2 TO REPORT No. 8

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		13:00 20:00	TIH, SLM TO 10301', TAG PLUG #2
		20:00 21:30	WORK ON PUMPS, SUCKING AIR THRU CRACKED DRESSER SLEEVE
		21:30 22:30	DRESS OFF PLUG TO 10394', WASHED OUT TO THAT POINT, SET 20M# ON PLUG FOR 15 MIN. DIDN'T WASH OFF.
		22:30 01:30	TOH TO SET PLUG #3
		01:30 04:30	MOVE AND STRAP 60 JTS. TBG. RU AMREICAN PIPE, PU 60 JTS 2 7/8" 6.4# L-80 TBG.
		04:30 05:00	TIH WITH SLM TO SET PLUG #3.  RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 7480 GALS.  WEATHER: CLEAR, CALM, 23 DEG. F., NO NEW MOISTURE LAST 24 HRS. / LOC. & ACCESS: ROAD - OK, PAD - FROST REMOVAL & TRAFFIC ON LOCATION CONTINUING TO PRODUCE 6-12" RUTS IN MUD.
02/25/95	9947.	05:00 08:45	TIH WITH SLM TO SET PLUG #3 TAG CEMENT @ 10394
		08:45 09:30	CIRCULATE BOTTOMS UP
		09:30 12:30	RU DS, PUMP 20 BBL WATER AHEAD, STARTED TO MIX CEMENT, CLABBERED TUB, FORCEING WATER INTO BULK TRUCK, CLEANED OUT TRANSFER LINE, TRANSFERED CEMENT INTO OTHER TANK, LOST ABOUT 35 SX OF CEMENT BECAUSE OF THIS. MIXED AND PUMPED 165 SX OF "G", WITH .2% D-800, WT 15.8, YEILD 1.15 34 BBL OF SLURRY, DISPLACED WITH 93 BBL OF WATER, PLUG IN PLACE @ 12:00, RD DS.
		12:30 15:00	TOH TO 2 7/8" TUBBING
		15:00 18:00	RU AMERICAN PIPE,. LD 60 JT.2 7/8" TUBBING TBG.
		18:00 22:00	TIH TO 9664' TAG CEMENT, LD 10 JTS DP
		22:00 00:30	DRILL SOFT CEMENT,10-15 MIN JT. W/40-50 RPM, AND 6-8M# WT.
		00:30 01:30	RE TORQUE KELLEY
		01:30 02:30	DRILL SOFT CEMENT TO 9947', 100' ABOVE SHOE STILL DRILLING @ 10-15 MIN JT. W/ 6-8M# WT, AND 40-50 RPM
		02:30 05:00	WAIT ON CEMENT 9947'  RIG FUEL DELS./24 HRS.: 3758 GALS./CUM.: 11238 GALS.  WEATHER: CLEAR, CALM, 25 DEG. F., NO NEW MOISTURE LAST 24 HRS. / LOC. & ACCESS: ROAD - OK, PAD - FROST REMOVAL & TRAFFIC ON LOCATION CONTINUING TO PRODUCE 6-12" RUTS IN MUD.

**OPERATION SUMMARY REPORT**

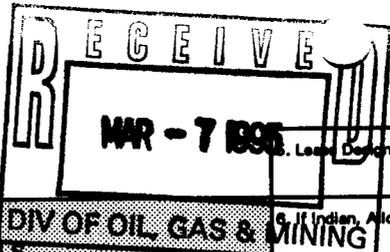
WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 2 TO REPORT No. 8

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
02/26/95	10095	05:00 06:00	WAIT ON CEMENT
		06:00 06:15	DRILL SOFT CEMENT, DRILLED 30' IN 10 MIN WITH 8M# 45 RPM
		06:15 12:00	WAIT ON CEMENT
		12:00 13:00	DRILL SOFT CEMENT, 10009-10095' 8-20M# WT. 50 RPM
		13:00 14:00	CIRCULATE BOTTOMS UP
		14:00 18:00	LD 2 JTS DP, TOH W/ SLM 10096'
		18:00 19:00	SLIP & CUT DRILL LINE 106'
		19:00 22:00	RIG REPAIR, REPAIR MAKE UP CAT HEAD
		22:00 22:30	TOH W/ DCS
		22:30 23:00	SERVICE RIG, FUNCTION BLIND RAMS
		23:00 01:30	PU BHA & TOOLS CHECK OFFSET, AND CHECK MWD
		01:30 05:00	TIH, W/ SLM CHECK C O M
		02/27/95	10159
	WEATHER: CLEAR, CALM, 26 DEG. F., NO NEW MOISTURE LAST 24 HRS. / LOC. & ACCESS: ROAD - OK, PAD - FROST REMOVAL & TRAFFIC ON LOCATION CONTINUING TO PRODUCE 6-12" RUTS IN MUD.		
05:00 07:30	TIH, W/ SLM, PU 11 SINGLES, SLM 10095.53		
07:30 08:30	ORIENT TOOL FACE, AND WORK WITH MWD		
08:30 17:00	DRILL (TIME) 10095-10110 @ 2' HR 60-70R		
17:00 03:45	DRILL (TIME) 10110-10146 60-70R SAMPLES 90-95% FORMATION @ THIS TIME		
03:45 05:00	DRILL SLIDE 10149-10159 10R		
		RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 11238 GALS.\ MTR SN# 475-104A 20.5 DRLG. HRS.24.0 HRS ON PUMP\\ MWD TOOL 24. HRS ON PUMP, 27.5 HRS. IN HOLE.\\ DAILEY ROT. HRS. 20.5./ CUM.:20.50. PUMP PRESSURE OFF BTM.:1150/ ON BTM.: 1300 SLIDING	
		WEATHER: CLEAR, CALM, 26 DEG. F., NO NEW MOISTURE LAST 24 HRS. / LOC. & ACCESS: ROAD - OK, PAD - FROST REMOVAL & TRAFFIC ON LOCATION CONTINUING TO PRODUCE 6-12" RUTS IN MUD.	

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



5. Lease Designation and Serial No. \_\_\_\_\_  
UPRR Fee \_\_\_\_\_

6. Indian, Allottee or Tribe Name  
NA

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

7. Unit Agreement Name  
NA

1. Type of Well:  
OIL ( X )      GAS ( )      OTHER:

8. Well Name and Number  
17-2H(Redrill)

2. Name of Operator  
Union Pacific Resources Company

9. API Well Number  
43-043-30304

3. Address and Telephone Number  
P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
Telephone (817) 877-6000 (Main Number)

10. Field and Pool, or Wildcat  
Elkhorn

4. Location of Well  
Footage 825' FSL, 663' FWL Sec. 17, T. 2 N., R. 7 E., SLBM County Summit  
QQ, Sec., T., R., M. SW/SW Sec. 17, T. 2 N., R. 7 E., SLBM State Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

( ) Abandonment      ( ) New Construction  
( ) Casing Repair      ( ) Pull or Alter Casing  
( ) Change of Plans      ( ) Recompletion  
( ) Conversion to Injection      ( ) Shoot or Acidize  
( ) Fracture Test      ( ) Vent or Flare  
( ) Multiple Completion      ( ) Water Shutoff  
( ) Other \_\_\_\_\_

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

( ) Abandonment \*      ( ) New Construction  
( ) Casing Repair      ( ) Pull or Alter Casing  
( ) Change of Plans      ( ) Shoot or Acidize  
( ) Conversion to Injection      ( ) Vent or Flare  
( ) Fracture Treat      ( ) Water Shut-Off Shutoff  
( X ) Other: \_\_\_\_\_

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

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

Monthly Progress Report, February 1995

Re-entry spudded February 20, 1995, reached depth of 10,355' MD on February 28, 1995.

Please refer to previously submitted daily operations summaries for detail.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13.  
Name/Signature: W. F. Brazelton *W.F. Brazelton* Title: Senior Regulatory Analyst Date: 95-03-06

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 27-1H  
 AFE No. :017076  
 FIELD :LODGEPOLE UTAH

WELL No. :#1H  
 API No. :43-043-30306  
 RIG :CARDINAL 16E

SUMMARY OF OPERATIONS FROM REPORT No. 69 TO REPORT No. 75

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
02/28/95	8658.	05:00 08:00	PU 3/4 DEG FIXED MM,MWD. RIH TO 7688 FT.
		08:00 14:00	WASH/REAM 7688-8449 FT.
		14:00 18:00	ROTATE 8449 TO 8508 FT 59 FT. 14.74 FPH.
		18:00 19:30	SLIDE 8508 TO 8523 FT. 15 FT 10 FPH TF 280
		19:30 22:30	ROTATE 8523 TO 8572 FT 49 FT. 16.3 FPH
		22:30 24:00	SLIDE 8572 TO 8587 FT 15 FT, 10 FPH TF 300
		24:00 03:00	ROTATE 8587 TO 8635 FT 48 FT 16 FPH.
		03:00 05:00	SLIDE 8635 TO 8658 FT 23 FT 11.5 FPH TF 270
			....RAISED MUD WT TO 9.6 PPG. LOST 220 BBLs MUD TO HOLE. HOLE NOT SEEPING W/ 9.5 + PPG.
			WATER 780/391534 BBLs. PROD WATER 0/13425 BBLs ROTATE 15/16.5 HRS. 6" BHA 15/16.5 HRS. WEATHER +40 DEG PM +20 DEG AM. CLOUDY AND COOL TRACE OF SNOW PM.
03/01/95	9010.	05:00 11:00	ROTATE 8658-8762 FT, 104 FT 17.3 FPH.
		11:00 14:00	SLIDE 8762-8794 FT 32 FT 10.6 FPH TF 265
		14:00 02:30	ROTATE 8794-8985 FT 191 FT 15.3 FPH.
		02:30 05:00	SLIDE 8985-9010 FT 25 FT 10 FPH TF 270
			....HOLE SEEPING 12-14 BPH
			WATER 80/391,614 BBLs. PROD WATER 0/13425 BBLs. ROTATE 24/500 HRS. 6" BHA 24/40.5 HRS. WEATHER PM +50 DEG. CLEAR, WINDY AND COOL. .....AM +10 DEG. NO PRECIP. LAST 24 HRS.
03/02/95	9117.	05:00 07:00	DRILL ROTATE 9,010'-9,024' 7'/HR.
		07:00 11:30	WORK TIGHT HOLE FROM 9,024'-8,460'.
		11:30 14:00	TRIP FOR BIT.
		14:00 15:00	CHANGE OUT MWD, BIT, CHECK B.O.P.
		15:00 15:30	TRIP IN BHA.
		15:30 17:00	SLIP & CUT DRILL LINE 136'.
		17:00 20:00	TRIP IN. WASH 8,554'-8,704'(150') WASH 90' UNDER GUAGE HOLE TO BTM. LOST 20 BBLs. MUD ON TRIP.

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 27-1H  
 AFE No. :017076  
 FIELD :LODGEPOLE UTAH

WELL No. :#1H  
 API No. :43-043-30306  
 RIG :CARDINAL 16E

SUMMARY OF OPERATIONS FROM REPORT No. 69 TO REPORT No. 75

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
03/03/95	9320.	20:00 23:30	DRILL ROTATE 9,024'-9,049'. 7.1'/HR.
		23:30 01:30	DRILL SLIDE 9,049'-9,080'. 15.5'/HR.
		01:30 05:00	DRILL ROTATE 8,080'-9,117'. 7.4'/HR. MUD LOGGERS TOP - STUMP @ 9,050'.
			WATER: 0/391,614 PROD WATER: 0/13,425 ROTATE: 9.5/509.5 BHA: 9.5/50
			WEATHER: CLEAR A.M. LIGHT SNOW P.M. 1-2" SNOW FALL. TEMP 30 DEG.
		05:00 09:30	DRILL ROTATE 9,117'-9,176'. 59' @ 13.1'/HR.
		09:30 12:30	DRILL SLIDE 9,176'-9,202'. 26' @ 8.6'/HR.
		12:30 22:30	DRILL ROTATE 9,202'-9,271'. 69' @ 6.9'/HR.
		22:30 02:30	DRILL SLIDE 9,271'-9,300'. 29' @ 7.25'/HR.
		02:30 05:00	DRILL ROTATE 9,300'-9,320'. 20' @ 8.0'/HR.
		WATER:0/391,614 PROD WATER: 0/13,425 ROTATE: 24/533.5 BHA: 24/74	
03/04/95	9426.	05:00 07:30	DRILL ROTATE 9,320'-9,335'. 15' @ 6'/HR.
		07:30 13:00	DRILL SLIDE 9,335'-9,380'. 45' @ 8.2'/HR.
		13:00 16:30	TRIP FOR BIT, FIRST STAND HAD TO WORK OUT.
		16:30 18:00	LD .75 DEG. MOTOR, PU 1.25 DEG. MOTOR, BIT ORIENT TOOLS.
		18:00 20:30	TRIP IN, HIT BRIDGE @ 8,794'.
		20:30 24:00	WASH/REAM 8,794'-8,944'. (150') TRIP IN TO 9,300' WASH/REAM TO BTM.
		24:00 02:00	DRILL SLIDE 9,380'-9,396'. 16' @ 8'/HR.
		02:00 03:00	DRILL ROTATE 9,396'-9,411'. 15' @ 15'/HR.
		03:00 05:00	DRILL SLIDE 9,411'-9,426'. 15' @ 7.5'/HR. TOOL FACE -270 AZM. NO MUD LOSED LAST 24 HRS. OR ON TRIP. PREUSS TOP @ 9,312'.

**OPERATION SUMMARY REPORT**

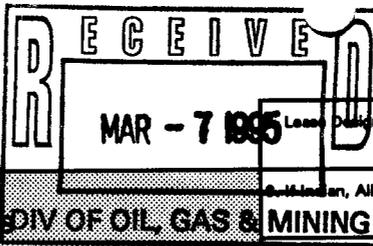
WELLNAME :UPRR 27-1H  
 AFE No. :017076  
 FIELD :LODGEPOLE UTAH

WELL No. :#1H  
 API No. :43-043-30306  
 RIG :CARDINAL 16E

SUMMARY OF OPERATIONS FROM REPORT No. 69 TO REPORT No. 75

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
03/05/95	9580.	05:00 07:00	WEATHER: LIGHT SNOW AM, BLOWING & DRIFTING SNOW PM. CLEARING NOW, TEMP 30 DEG. DRILL ROTATE 9,426'-9,443'. 17' @ 8.5'/HR.
		07:00 13:30	DRILL SLIDE 9,443'-9,502'. 59' @ 9.0'/HR. TOOL FACE-265
		13:30 14:00	DRILL ROTATE 9,502'-9,906'. BIT TORQUED, WOULD NOT DRILL OFF.
		14:00 14:30	MIX & PUMP SLUG
		14:30 18:00	TRIP FOR BIT, TIGHT @ 9,500'-9,400'.WORKED THROUGH WITH OUT KELLY.
		18:00 18:30	CHANGE BIT, OIRENT TOOLS.BIT # 22 LOOKED LIKE IT HAD BEEN PINCHED.
		18:30 21:30	TRIP IN, CHECK MWD @ 4000', TRIP IN.
		21:30 22:00	WASH/REAM 50' TO BTM.
		22:00 24:00	DRILL ROTATE 9,506'-9,526'.20' @ 10'/HR.
		24:00 05:00	DRILL SLIDE 9,526'-9,580'.54' @ 10.8'/HR. TOOL FACE -290. NO MUD LOSSES LAST 24 HRS.
			WATER: 0/391,614 PROD WATER: 0/13,425 ROTATING/SLIDING:16/562.5 BHA/JARS:16/103
			WEATHER: AM,CLEARING NO WIND, PM LIGHT WIND. TEMP 28 DEG.
03/06/95	9775.	05:00 12:30	DRILL SLIDE 9,580'-9,640'.60' @ 8'/HR. TOOL FACE @ 270
		12:30 13:30	DRILL ROTATE 9,640'-9,653'. 13'/HR.
		13:30 24:00	DRILL SLIDE 9,653'-9,748'.95' @ 9.0'/HR. TOOL FACE @ 270
		24:00 01:00	HOLE PACKING OFF, WORK KELLY PUMP HI VIS SWEEP, SWEEP BROUGHT UP LOTS OF CUTTINGS.
		01:00 05:00	DRILL SLIDE 9,748'-9,775'.27' @ 5.4'/HR. LOST 25 BBLs. MUD @ 9,630'. 45 MIN. LATER REGAINED 25 BBLs. STARTED MIXING LCM.
			WATER: 0/391,614 PROD WATER: 0/13,425 ROTATING/SLIDING HRS: 23/585.5 BHA/JARS: 23/126
			WEATHER: LIGHT SNOW ON & OFF LAST 24 HRS. 2-3" NEW SNOW, TEMP NOW 8 ABOVE.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



Lease Designation and Serial No.	
UPRR Fee	
6. Indian, Allottee or Tribe Name	
NA	
7. Unit Agreement Name	
NA	

1. Type of Well:  
 OIL ( X )      GAS ( )      OTHER: \_\_\_\_\_

2. Name of Operator  
 Union Pacific Resources Company

3. Address and Telephone Number  
 P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
 Telephone (817) 877-6000 (Main Number)

8. Well Name and Number  
 17-2H(Redrill)

9. API Well Number  
 43-043-30304

10. Field and Pool, or Wildcat  
 Elkhorn

4. Location of Well

Footages      825' FSL, 663' FWL Sec. 17, T. 2 N., R. 7 E., SLBM      County      Summit

QQ, Sec., T., R., M.      SW/SW Sec. 17, T. 2 N., R. 7 E., SLBM      State      Utah

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

**NOTICE OF INTENT**  
 (Submit in Duplicate)

( ) Abandonment      ( ) New Construction  
 ( ) Casing Repair      ( ) Pull or Alter Casing  
 ( ) Change of Plans      ( ) Recompletion  
 ( ) Conversion to Injection      ( ) Shoot or Acidize  
 ( ) Fracture Test      ( ) Vent or Flare  
 ( ) Multiple Completion      ( ) Water Shutoff  
 ( ) Other \_\_\_\_\_

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
 (Submit Original Form Only)

( ) Abandonment \*      ( ) New Construction  
 ( ) Casing Repair      ( ) Pull or Alter Casing  
 ( ) Change of Plans      ( ) Shoot of Acidize  
 ( ) Conversion to Injection      ( ) Vent or Flare  
 ( ) Fracture Treat      ( ) Water Shut-Off Shutoff  
 ( X ) Other: Weekly Progress Report

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
 \* Must be accompanied by a cement verification report.

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

Weekly Progress Report No. 2, Week Ending March 6, 1995

Well Spudded February 19, 1995

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
 If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13.

Name/Signature: W. F. Brazelton W. F. Brazelton Title: Senior Regulatory Analyst Date: 95-03-06

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 9 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
02/28/95	10355		<p>DRILL SLIDE            DRILL ROTATE            SURVEY            TRIP            PUMP PILL            TEST MWD</p> <p>SLIDE 10159-10259 10R - SLIDE 10256-10320 30R            SLIDE 10320-10355 40R</p> <p>DAILEY ROT. HRS.: 13.00 CUM.: 33.50.            RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 11238            GALS.\ MTR SN# 475-104A 33.5 DRLG. HRS.40.0 HRS            ON PUMP\MWD TOOL 40. HRS ON PUMP, 75.5 HRS.            IN HOLE.\ \ \ CORROSION RING #B87 @ TOP OF BHA;            IN @ 10263' @ 1900 HRS 2/27/95 10 HRS. EXP            RING #B56 @ SAVER SUB; IN @ 10263' @ 1900 HRS.            10 HRS. EXP.            PUMP PRESSURE OFF BTM.:1400/ ON BTM.: 1550            SLIDING</p> <p>WEATHER: CLEAR, CALM, 18 DEG. F., NO NEW            MOISTURE LAST 24 HRS. / LOC. &amp; ACCESS: ROAD -            OK, PAD - FROST REMOVAL &amp; TRAFFIC ON LOCATION            CONTINUING TO PRODUCE 6-12" RUTS IN MUD.</p>
03/01/95	10479		<p>DRILL SLIDE            DRILL ROTATE            SURVEY            TRIP            PUMP PILL            PU/LD BHA &amp; TOOLS, RS AND FUNCTION TEST BOP            WASH/REAM 75', HOLE DRAG</p> <p>SLIDE 10355-10415 40R 10415-10479 10R</p> <p>DAILEY ROT. HRS.: 12.50 CUM.: 46.00.            RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 11238            GALS.\ MTR SN# 475-096 00.00 DRLG. HRS.1.00 HRS            ON PUMP\MWD TOOL 1.0 HRS ON PUMP, 6.00 HRS.            IN HOLE.\ \ \ CORROSION RING #B87 @ TOP OF BHA;            IN @ 10263' @ 1900 HRS 2/27/95 34 HRS. EXP            RING #B56 @ SAVER SUB; IN @ 10263' @ 1900 HRS.            34 HRS. EXP.            PUMP PRESSURE OFF BTM.:1350/ ON BTM.: 1550            SLIDING</p> <p>WEATHER: CLEAR, CALM, 19 DEG. F., NO NEW            MOISTURE LAST 24 HRS. / LOC. &amp; ACCESS: ROAD -            OK, PAD - FROST REMOVAL &amp; TRAFFIC ON LOCATION            CONTINUING TO PRODUCE 4-10" RUTS IN MUD, DRYING            OUT IN SPOTS.</p> <p>WATTON CANYON TOP 10426' MEASURED DEPTH, 10351'            TVD, 14' HIGH TO PROG.</p>
03/02/95	10720		<p>2 GAS SHOWS: 10462 84 UNITS, 10470' 86 UNITS            DRILL SLIDE            DRILL ROTATE            SURVEY</p>

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 9 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
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WT. UP TO 9.1 TO KILL WATER FLOW  
 WASH/REAM 60', HOLE DRAG  
 INSTALL ROTATING HEAD RUBBER  
 ORIENT TOOL FACE

SLIDE 10479-10676 HS ROTATE 10676-10685  
 SLIDE 10685-10695 HS ROTATE 10695-10717  
 SLIDE 10717-10720 90L

DAILEY ROT. HRS.: 16.00 CUM.: 62.00.  
 RIG FUEL DELS./24 HRS.: 3976 GALS./CUM.: 15214  
 GALS.\ MTR SN# 475-096 16.00 DRLG. HRS.25.0 HRS  
 ON PUMP\\ MWD TOOL 25. HRS ON PUMP, 30.0 HRS.  
 IN HOLE.\\ CORROSION RING #B87 @ TOP OF BHA;  
 IN @ 10263' @ 1900 HRS 2/27/95 58 HRS. EXP  
 RING #B56 @ SAVER SUB; IN @ 10263' @ 1900 HRS.  
 58 HRS. EXP.  
 PUMP PRESSURE OFF BTM.:1650/ ON BTM.: 1900  
 SLIDING/ ROTATING

WEATHER: CLOUDY, CALM, 21 DEG. F., .5" NEW  
 SNOW LAST 24 HRS. / LOC. & ACCESS: ROAD -  
 OK, PAD WAS DRYING OUT IN PLACES. STILL SNOWING

03/03/95            10994

HAVE 50 BBL OIL IN TANKS, WELL TAKING FLUID  
 WHILE DRILLING, AND FLOWING ON CONNECTIONS  
 DRILL SLIDE  
 DRILL ROTATE  
 SURVEY

SLIDE 10720-10728 80L ROTATE 10728-10781  
 SLIDE 10728-10749 80L SLIDE 10749-10864 20L  
 ROTATE 10864-10876 SLIDE 10876-10891  
 ROTATE 10891-10908 SLIDE 10908-10923 120L  
 ROTATE 10923-10939 SLIDE 10939-10954 120L  
 ROTATE 10954-10994

DAILEY ROT. HRS.: 21.75 CUM.: 83.75.  
 RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 15214  
 GALS.\ MTR SN# 475-096 37.75 DRLG. HRS.47.5 HRS  
 ON PUMP\\ MWD TOOL 47.5HRS ON PUMP, 54.0 HRS.  
 IN HOLE.\\ CORROSION RING #B87 @ TOP OF BHA;  
 IN @ 10263' @ 1900 HRS 2/27/95 82 HRS. EXP  
 RING #B56 @ SAVER SUB; IN @ 10263' @ 1900 HRS.  
 82 HRS. EXP.  
 PUMP PRESSURE OFF BTM.:1750/ ON BTM.: 1900  
 SLIDING/ ROTATING

WEATHER: OC WINDS W @ 10 MPH 25 DEG.F 3" NEW  
 SNOW LAST 24 HRS. / LOC. & ACCESS: ROAD -  
 OK, PAD WAS DRYING OUT IN PLACES.

03/04/95            11193

HAVE 50 BBL OIL IN TANKS, LOOSING 104-105 BBL  
 FLUID WHILE DRILLING, NO FLOW ON CONNECTIONS.  
 LOST 740 BBL LAST 7 HRS. LOSSES DOWN TO 30-35  
 BBL HR. AT LAST 2 HRS. LOSSES STARTED @ 10893'  
 DRILL SLIDE  
 DRILL ROTATE  
 SURVEY

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 9 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
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**SPOT LUBRA BEAD PILL**

ROTATE 10954-11003 SLIDE 11003-11013 110L  
 ROTATE 11013-11035 SLIDE 11035-11043 150L  
 ROTATE 11043-11066 SLIDE 11066-11075 150L  
 ROTATE 11075-11098 SLIDE 11098-11103 170L  
 SLIDE 11103-11110 160R ROTATE 11110-11162  
 SLIDE 11162-11170 45R ROTATE 11170-11193

DAILEY ROT. HRS.: 21.00 CUM.: 104.75  
 RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 15214  
 GALS.\ MTR SN# 475-096 58.75 DRLG. HRS.72.0 HRS  
 ON PUMP\\ MWD TOOL 72.5HRS ON PUMP, 78.0 HRS.  
 IN HOLE.\\ CORROSION RING #B87 @ TOP OF BHA;  
 IN @ 10263' @ 1900 HRS 2/27/95 106 HRS. EXP  
 RING #B56 @ SAVER SUB; IN @ 10263' @ 1900 HRS.  
 106 HRS. EXP.  
 PUMP PRESSURE OFF BTM.:1200/ ON BTM.: 1350  
 SLIDING/ ROTATING

WEATHER: OC WINDS W @ 25 MPH 18 DEG.F 5" NEW  
 SNOW LAST 24 HRS. / LOC. & ACCESS: ROAD -  
 DRIFTED, HAD TO OPEN THEM UP @ 03:00, LOC, SNOW  
 PACKED AND DRIFTED TO 18"

HAVE 50 BBL OIL IN TANKS, LOST COMPLETE RETURNS  
 @ 11025', REGAINED PARTIAL RETURNS @ 11078',  
 LOST AGAIN AT 11090, SUCKING HARD, 1000# PUMP  
 AT 80 STKS/MIN. HAD 1750 AT 75 STKS MIN.  
 INTERMINTENT RETURNS BETWEEN 02:30, AND 04:45,  
 NOT OVER 25%, 10-20 GAL OIL WITH IT, LOST 6700  
 BBL FLUID TODAY.

03/05/95	11237	05:00	07:15	DRILL SLIDE 11193-11200 45R
		07:15	10:30	TRIP FOR BIT
		10:30	12:30	PU/LD BHA & TOOLS, SURFACE TEST MWD
		12:30	15:30	TIH, FILL PIPE 1/2 WAY IN
		15:30	16:45	FILL DP, AND W&R 60' TO BTM
		16:45	17:00	DRILL ROTATE 11200-11207
		17:00	18:30	DRILL SLIDE 11207-11218 HS
		18:30	18:45	DRILL ROTATE 11218-11225
		18:45	19:00	SURVEY
		19:00	22:00	DRILL SLIDE 11225-11237 HS, HAVING PROBLEMS MWD
		22:00	01:30	TOH FOR MWD
		01:30	03:00	PULL AND REPLACE PULSER ON MWD TOOL, DOWN SIZE ORFICE 2 SIZES, SURFACE TEST MWD.
		03:00	05:00	TIH

DAILEY ROT. HRS.: 7.500 CUM.: 112.25  
 RIG FUEL DELS./24 HRS.: 0 GALS./CUM.: 15214  
 GALS.\ MTR SN# 475-089A 7.500 DRLG. HRS.5.00 HR  
 ON PUMP\\ MWD TOOL .50 HRS ON PUMP, 2.50 HRS.  
 IN HOLE.\\ CORROSION RING #B87 @ TOP OF BHA;  
 IN @ 10263' @ 1900 HRS 2/27/95 130 HRS. EXP  
 RING #B56 @ SAVER SUB; IN @ 10263' @ 1900 HRS.  
 130 HRS. EXP.  
 PUMP PRESSURE OFF BTM.:1200/ ON BTM.: 1350  
 SLIDING/ ROTATING

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 9 TO REPORT No. 15

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
------	-------	------	------------------------

03/06/95            11477

WEATHER: PC WINDS W @ 25 MPH 24 DEG.F NO NEW SNOW LAST 24 HRS. / LOC. & ACCESS: ROAD WET BUT OK, LOC: 4"-12" RUTS

HAVE 50 BBL OIL IN TANKS,  
 TOTAL LOSSES LAST 24 HRS. 2700 BBL

MDW FAILED RIGHT AFTER WE GOT BACK ON BOTTOM, SAID IT WAS DUE TO LOSS CIRCULATION, BUT AFTER HOLE FILLED, AND HAD PARTIAL RETURNS WE STILL DIDN'T HAVE BUT A 10# PULSE, PULLED OUT AND CHANGED PULSER, AND DOWN SIZED ORFICE 2 SIZES SURFACE CHECKED TOOL ON THE GROUND, AND A SHALLOW PULES TEST INDICATED IT WAS WORKING, BUT IT ASLO HAD THE SAME TEST ON THE OTHER TOOL

HOLE STILL TAKING FLUID, WILL NOT STAND FULL TIH, FILL PIPE 1/2 WAY IN  
 FILL PIPE  
 DRILL SLIDE  
 SURVEY  
 SERVICE RIG  
 DRILL ROTATE

SLIDE 11237-11241 20R ROTATE 11241-11288  
 SLIDE 11288-11300 10R ROTATE 11300-11319  
 SLIDE 11319-11329 10R ROTATE 11329-11383  
 SLIDE 11383-11398 30R ROTATE 11398-11414  
 SLIDE 11414-11429 40R ROTATE 11429-11445  
 SLIDE 11445-11455 70R ROTATE 11455-11477

DAILEY ROT. HRS.: 18.50 CUM.: 130.75  
 RIG FUEL DELS./24 HRS.: 3674 GALS./CUM.: 18888 GALS. \ MTR SN# 475-089A 26.00 DRLG. HRS.30.0 HR ON PUMP\\ MWD TOOL 21.0 HRS ON PUMP, 22.0 HRS. IN HOLE.\\ \\ CORROSION RING #B87 @ TOP OF BHA; IN @ 10263' @ 1900 HRS 2/27/95 154 HRS. EXP RING #B56 @ SAVER SUB; IN @ 10263' @ 1900 HRS. 154 HRS. EXP.  
 PUMP PRESSURE OFF BTM.:1500/ ON BTM.: 1750 SLIDING/ ROTATING

WEATHER: PC WINDS W @ 5 MPH 08 DEG.F 1" NEW SNOW LAST 24 HRS. / LOC. & ACCESS: ROAD WET BUT OK, LOC: 4"-12" RUTS

TOTAL LOSSES LAST 24 HRS. 6350 BBL.HAVE HAD AROUND 25% RETURNS SINCE 19:00 HRS LAST NIGHT

ROTATING @ 18' HR AVERAGE, SLIDE @ 9' HR AVERAGE.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

RECEIVED  
MAR 13 1995  
DIV OF OIL, GAS & MINING

6. Lease Designation and Serial No.  
UPRR Fee

7. If Indian, Allottee or Tribe Name  
NA

7. Unit Agreement Name  
NA

8. Well Name and Number  
17-2H(Redrill)

9. API Well Number  
43-043-30304

10. Field and Pool, or Wildcat  
Elkhorn

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

1. Type of Well:  
OIL ( X )    GAS ( )    OTHER:  
**CONFIDENTIAL**

2. Name of Operator  
Union Pacific Resources Company  
**CONFIDENTIAL**

3. Address and Telephone Number  
P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
Telephone (817) 877-6000 (Main Number)

4. Location of Well  
Footages    825' FSL, 663' FWL Sec. 17, T. 2 N., R. 7 E., SLBM    County    Summit  
QQ, Sec., T., R., M.    SW/SW Sec. 17, T. 2 N., R. 7 E., SLBM  
State    Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

( ) Abandonment                      ( ) New Construction  
( ) Casing Repair                    ( ) Pull or Alter Casing  
( ) Change of Plans                  ( ) Recompletion  
( ) Conversion to Injection        ( ) Shoot or Acidize  
( ) Fracture Test                    ( ) Vent or Flare  
( ) Multiple Completion            ( ) Water Shutoff  
( ) Other \_\_\_\_\_

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

( ) Abandonment \*                    ( ) New Construction  
( ) Casing Repair                    ( ) Pull or Alter Casing  
( ) Change of Plans                  ( ) Shoot or Acidize  
( ) Conversion to Injection        ( ) Vent or Flare  
( ) Fracture Treat                    ( ) Water Shut-Off Shutoff  
( X ) Other: Monthly Progress Report

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

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

Monthly Progress Report, February 1995

Re-entry was spudded February 20, 1995, well was at total depth of 10355' MD on February 28, 1995.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13.  
Name/Signature: W. F. Brazelton *W.F. Brazelton* Title: Senior Regulatory Analyst Date: 95-03-06

2-27-95

FORM 9

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

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

5. Lease Designation and Serial No. UPRR Fee
6. If Indian, Allottee or Tribe Name NA
7. Unit Agreement Name NA
8. Well Name and Number 17-2H(Redrill)
9. API Well Number 43-043-30304
10. Field and Pool, or Wildcat Elkhorn

1. Type of Well:  
OIL ( X )      GAS ( )      OTHER:

2. Name of Operator  
Union Pacific Resources Company

3. Address and Telephone Number  
P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
Telephone (817) 877-6000 (Main Number)

4. Location of Well  
Footages 825' FSL, 663' FWL Sec. 17, T. 2 N., R. 7 E., SLBM County Summit  
QQ, Sec., T., R., M. SW/SW Sec. 17, T. 2 N., R. 7 E., SLBM State Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

( ) Abandonment      ( ) New Construction  
( ) Casing Repair      ( ) Pull or Alter Casing  
( ) Change of Plans      ( ) Recompletion  
( ) Conversion to Injection      ( ) Shoot or Acidize  
( ) Fracture Test      ( ) Vent or Flare  
( ) Multiple Completion      ( ) Water Shutoff  
( ) Other \_\_\_\_\_

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

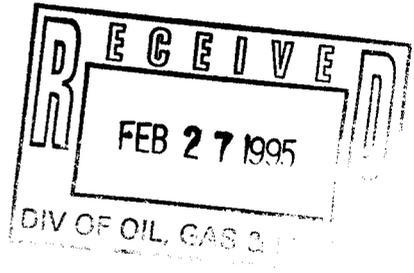
( ) Abandonment \*      ( ) New Construction  
( ) Casing Repair      ( ) Pull or Alter Casing  
( ) Change of Plans      ( ) Shoot or Acidize  
( ) Conversion to Injection      ( ) Vent or Flare  
( ) Fracture Treat      ( ) Water Shut-Off Shutoff  
( X ) Other: Spud notice on redrilling operation

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

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

Please be advised that Union Pacific Resources Company spudded the redrilling operation on the above referenced well February 19, 1995.



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13.  
Name/Signature: W. F. Brazelton *W.F. Brazelton* Title: Senior Regulatory Analyst Date: 95-02-24

3-15-95

RECEIVED  
MAR 14 1995  
DIV OF OIL, GAS & MINING

FORM 9

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

15. Lease Designation and Serial No.  
UPRR Fee

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

6. Indian, Allottee or Tribe Name  
NA

7. Unit Agreement Name  
NA

1. Type of Well:  
OIL ( X )      GAS ( )      OTHER:  
**CONFIDENTIAL**

8. Well Name and Number  
17-2 (Redrill)

9. API Well Number  
43-043-30304

2. Name of Operator  
Union Pacific Resources Company

10. Field and Pool, or Wildcat  
Elkhorn

3. Address and Telephone Number  
P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
Telephone (817) 877-6000 (Main Number)

4. Location of Well  
Footages 825' FSL, 663' FWL Sec. 17, T. 2 N., R. 7 E., SLBM County Summit  
QQ, Sec., T., R., M. SW/SW Sec. 17, T. 2 N., R. 7 E., SLBM State Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)  
( ) Abandonment      ( ) New Construction  
( ) Casing Repair      ( ) Pull or Alter Casing  
( ) Change of Plans      ( ) Recompletion  
( ) Conversion to Injection      ( ) Shoot or Acidize  
( ) Fracture Test      ( ) Vent or Flare  
( ) Multiple Completion      ( ) Water Shutoff  
( ) Other \_\_\_\_\_  
Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)  
( ) Abandonment \*      ( ) New Construction  
( ) Casing Repair      ( ) Pull or Alter Casing  
( ) Change of Plans      ( ) Shoot or Acidize  
( ) Conversion to Injection      ( ) Vent or Flare  
( ) Fracture Treat      ( ) Water Shut-Off Shutoff  
( X ) Other: Weekly Progress Report  
Date of work completion \_\_\_\_\_  
Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

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

Weekly Progress Report No. 3, Week Ending March 13, 1995

Well Spudded February 19, 1995

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13.  
Name/Signature: W. F. Brazelton W. F. Brazelton Title: Senior Regulatory Analyst Date: 95=03-13

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 22

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
03/07/95	11721		<p>SURVEY            DRILL SLIDE            DRILL ROTATE</p> <p>SLIDE 11477-11493 70-90R ROTATE 11493-11509            SLIDE 11509-11529 60R ROTATE 11529-11541            SLIDE 11541-11561 60R ROTATE 11561-11572            SLIDE 11572-11587 80R ROTATE 11587-11604            SLIDE 11604-11619 80-90R ROTATE 11619-11636            SLIDE 11636-11650 80R ROTATE 11650-11698            SLIDE 11698-11713 45R ROTATE 11713-11721</p> <p>DAILEY ROT. HRS.: 22.00 CUM.: 152.75            RIG FUEL DELS./24 HRS.: 0000 GALS./CUM.: 18888            GALS.\ MTR SN# 475-089A 48.00 DRLG. HRS.54.0 HR            ON PUMP\\ MWD TOOL 43.0 HRS ON PUMP, 46.0 HRS.            IN HOLE.\\ CORROSION RING #B87 @ TOP OF BHA;            IN @ 10263' @ 1900 HRS 2/27/95 178 HRS. EXP            RING #B56 @ SAVER SUB; IN @ 10263' @ 1900 HRS.            178 HRS. EXP.            PUMP PRESSURE OFF BTM.:1600/ ON BTM.: 1800            SLIDING/ ROTATING</p> <p>WEATHER: CLEAR CALM 08 DEG.F NO NEW            SNOW LAST 24 HRS. / LOC. &amp; ACCESS: ROAD OK            LOC: 4"-12" RUTS</p> <p>TOTAL LOSSES LAST 24 HRS.5600 BBL, CURRENTLY            25% RETURNS, HAVE SEEN UP TO 50% FOR A SHORT            TIME.</p>
03/08/95	11962		<p>DRILL ROTATE @ 13-26' HR            SURVEY            DRILL SLIDE @ 6-13' HR</p> <p>ROTATE 11721-11730 SLIDE 11730-11750 45R            ROTATE 11750-11857 SLIDE 11857-11875 150R            ROTATE 11875-11889 SLIDE 11889-11907 160R            ROTATE 11907-11921 SLIDE 11921-11931 80R            ROTATE 11931-11952 SLIDE 11952-11962 80R</p> <p>DAILEY ROT. HRS.: 21.75 CUM.: 174.50            RIG FUEL DELS./24 HRS.: 0000 GALS./CUM.: 18888            GALS.\ MTR SN# 475-089A 69.75 DRLG. HRS.78.0 HR            ON PUMP\\ MWD TOOL 67.0 HRS ON PUMP, 70.0 HRS.            IN HOLE.\\ CORROSION RING #B87 @ TOP OF BHA;            IN @ 10263' @ 1900 HRS 2/27/95 202 HRS. EXP            RING #B56 @ SAVER SUB; IN @ 10263' @ 1900 HRS.            202 HRS. EXP.            PUMP PRESSURE OFF BTM.:1650/ ON BTM.: 1800            SLIDING, 1650-1900 ROTATING</p> <p>WEATHER: CLEAR WINDS W. 10 MPH, 25 DEG, F. NO            SNOW LAST 24 HRS. / LOC. &amp; ACCESS: ROAD OK            LOC: 4"-8" RUTS</p> <p>TOTAL LOSSES LAST 24 HRS. 2400 BBL, HAVE ABOUT            75 RETURNS NOW.</p> <p>SLIDES ARE VERY ERATIC, LUBRA BEAD PILLS HELP @</p>

## OPERATION SUMMARY REPORT

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

### SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 22

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
03/09/95	12107	05:00 06:00 06:00 06:30 06:30 06:45  06:45 08:30  08:30 09:30  09:30 10:15  10:15 13:00 13:00 15:00  15:00 19:30 19:30 05:00	<p>TIMES, BUT DON'T EVEN NOTICE THEM @ OTHER TIMES            DRILL SLIDE 11962-11965' - 3' / 3.0 FPH @ 80R            DRILL ROTATE 11965-11984' - 19' / 38.0 FPH            MWD SURVEY @ 11932' - 87.9 DEG. INC. / 41.5 DEG. AZ.            DRILL SLIDE 11984-11991' - 7' / 4.0 FPH @ 90R.            NOT GETTING ENOUGH TURN WITH 1.25 DEG. MOTOR/REQUIRING EXCESSIVE SLIDING TIME.            DECIDE TO TOOH TO PU 1.5 DEG. MOTOR TO MAXIMIZE ROTATING TIME.            TRIP - TOH TO CASING. NO TIGHT SPOTS. WELL FLOWING 2-4" STREAM WHOLE TIME TRIPPING INTO CASING. NO SHOWS.            KILL WELL - PUMP 70 BBLs. 9.7 PPG BRINE DOWN BACKSIDE, WELL DEAD/ON VACUUM.            TRIP - CONT'D TOOH TO CHANGE MOTORS.            PU/LD BHA &amp; TOOLS - CHECK 1.25 DEG. MOTOR - OK, LD SAME, PU &amp; ORIENT 1.5 DEG. PERF. MOTOR, CHANGE OUT PULSAR IN MWD &amp; BIT, TEST - OK.            TRIP - TIH, NO TIGHT SPOTS, NO FILL.            DRILL &amp; SURVEY 11991-12107'            DRILL ROTATE 21' / 42.0 FPH            DRILL SLIDE 95' / 11.9 FPH            MWD SURVEYS</p> <p>SLIDE: 11991-12074' @ 90R \ \ \ SLIDE:            12074-12086' @ 160R            ROTATE: 12086-12107'</p> <p>SLIDE @ 90R UNTIL PROJECTED AZ. @ BIT 50 DEG., SLIDE @ 160R UNTIL PROJECTED ANGLE @ BIT 85 DEG., THEN BEGIN ROTATING FOR MAX. ROP.</p> <p>PUMP PRESSURES: 1500-1700 PSI (OFF BOTTOM), 1700-1900 PSI (SLIDING &amp; ROTATING) \ \ \ TRACE OF OIL @ FLOWLINE W/CONN. GAS, NO OTHER SHOWS LAST 24 HRS. \ \ \ DRILLING W/75% RETS. 11962-11991', 0-70% RETS. 11991-12107', HAVE LOST A TOTAL OF 2100 BBLs. WATER TO FORMATION LAST 24 HRS. \ \ \ NO METAL OBSERVED IN FORMATION SAMPLES LAST 24 HRS. \ \ \ TOOL INTERVALS: BIT TO SURVEY PROBE 53', BIT TO GR PROBE 60'</p> <p>WEATHER: PARTLY CLOUDY, 10-30 MPH WINDS/W, 33 DEG. F., NO NEW PRECIP. LAST 24 HRS. / LOC. &amp; ACCESS: PAD - 4-8" MUD, STARTING TO DRY OUT/FIRM UP, ROAD - OK.</p>
03/10/95	12615	05:00 05:00	<p>DRILL &amp; SURVEY 12107-12615'            DRILL ROTATE 467' / 27.9 FPH            DRILL SLIDE 41' / 11.7 FPH            MWD SURVEYS</p> <p>ROTATE: 12107-12111' \ \ \ SLIDE: 12111-12117' @ 180            ROTATE: 12117-12292' \ \ \ SLIDE: 12292-12302' @ 180            SLIDE: 12302-12317' @ 160-170R \ \ \ ROTATE: 12317-12366'            SLIDE: 12366-12376' @ 10L-10R \ \ \ ROTATE:</p>

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 22

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			12376-12615'
			PUMP PRESSURES:1650 PSI (OFF BOTTOM), 1900 PSI (SLIDING), 1950 PSI (ROTATING) \\\ NO SIGNIFICANT OIL OR GAS SHOWS LAST 24 HRS. \\\ DRILLING W/75-90% RETURNS, HAVE LOST A TOTAL OF 1600 BBLs. WATER TO FORMATION LAST 24 HRS. \\\ PUMPING POLYMER/ENVIRO TORQUE SWEEPS AS NEEDED TO CLEAN HOLE/HELP ROP \\\ NO TIGHT CONNECTIONS LAST 24 HRS. \\\ NO METAL OBSERVED IN FORMATION SAMPLES LAST 24 HRS. \\\ NO SIGNIFICANT WEAR OBSERVED ON HOUSING ON MTR. SN. 475-089A WHEN LAID DOWN 3/8/95 \\\ MOVED 24 JTS. COND. 'A' & 79 JTS. COND. 'B' 4 1/2", 11.60#, N-80, LTC, PERF'D LINER FROM PINEVIEW YARD TO LOCATION 3/9/95.
			DRLG./24 HRS.:20.25 HRS./CUM.:206.5 HRS. \\\ RIG FUEL DELS./24 HRS.:0 GALS./CUM.:26211 GALS. \\\ 70.75 CUM. ROT. HRS. ON BHA SINCE LAST INSPECTION \\\ MTR. SN. 475-096/89.75 HRS. DRLG./107.75 HRS. ON PUMP \\\ MWD TOOL/104.0 HRS. ON PUMP/116.0 HRS. IN HOLE \\\ CORR. RING #B87 @ TOP OF BHA; IN @ 1900 HRS. 2/27/95 @ 10263', OUT @ 1500 HRS. 3/8/95 @ 11991'; 212.0 CUM. HRS. OF EXP. / CORR. RING #B62 @ TOP OF BHA; IN @ 1500 HRS. 3/8/95 @ 11991'; 38.0 CUM. HRS. OF EXP. / CORR. RING #B56 @ SAVER SUB; IN @ 1900 HRS. 2/27/95 @ 10263', OUT @ 0500 HRS. 3/9/95 @ 12107'; 226.0 CUM. HRS. OF EXP. / CORR. RING #B98 @ SAVER SUB; IN @ 0500 HRS. 3/9/95 @ 12107'; 24.0 CUM. HRS. OF EXP.
			WEATHER: LT. RAIN, 5-10 MPH WINDS/W, 33 DEG. F., / LOC. & ACCESS: PAD - MUDDY, BUT STARTING TO DRY OUT/FIRM UP, ROAD - OK.
03/11/95	12906	05:00 05:00	DRILL & SURVEY 12615-12906' DRILL ROTATE 256'/17.1 FPH DRILL SLIDE 35'/6.1 FPH MWD SURVEYS WORK TIGHT CONNECTION @ 12808'
			ROTATE: 12615-12683' \\\ SLIDE: 12683-12693' @ 180 ROTATE: 12693-12715' \\\ SLIDE: 12715-12730' @ 180 ROTATE: 12730-12873' \\\ SLIDE: 12873-12883' @ HS ROTATE: 12883-12906'
			DRILLING LARGE AMOUNT OF FRACTURES/MOTOR STALL! - 12619-12873', DRILLING WITH 90% RETURNS 12615-12683', LOST FULL RETURNS @ 12683', TIGHT HOLE ON CONNECTION @ 12808', PULLING 60M# OVER NORMAL UPDRAG @ 12788', REAM & WORK THROUGH UNTIL CLEAR, RESUMED DRILLING,

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
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WELL No. :  
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 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 22

**DATE DEPTH TIME WORK DESCRIPTION DIARY**

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			BUT ROP WHILE ROTATING & SLIDING NOW 50% LESS THAN BEFORE HOLE TROUBLE. MOTOR SEEMS TO BE OK. SUSPECT BIT DULLING FROM DRILLING FRACUTRES & REAMING TIGHT SPOT. REGAINED 20% RETURNS @ 12845', STARTED GETTING 2" FLOW ON CONNECTIONS, BEGINNING @ 12852', BUT HAVE ONLY 20% RETURNS WHEN RESUME PUMPING. PUMP PRESSURES:1650 PSI (OFF BOTTOM), 1850 PSI (SLIDING), 1950 PSI (ROTATING) \\\ NO SIGNIFICANT OIL OR GAS SHOWS LAST 24 HRS. \\ HAVE LOST A TOTAL OF 7500 BBLs. WATER TO FORMATION LAST 24 HRS. \\ PUMPING POLYMER/ENVIRO TORQUE SWEEPS AS NEEDED TO CLEAN HOLE/HELP ROP \\ NO METAL OBSERVED IN FORMATION SAMPLES LAST 24 HRS. DRLG./24 HRS.:20.75 HRS./CUM.:227.25 HRS. \\ RIG FUEL DELS./24 HRS.:0 GALS./CUM.:26211 GALS. \\\ 86.75 CUM. ROT. HRS. ON BHA SINCE LAST INSPECTION \\ MTR. SN. 475-096/110.5 HRS. DRLG./152.5 HRS. ON PUMP \\\ MWD TOOL/128.0 HRS. ON PUMP/140.0 HRS. IN HOLE \\ CORR. RING #B62 @ TOP OF BHA; IN @ 1500 HRS. 3/8/95 @ 11991'; 62.0 CUM. HRS. OF EXP. / CORR. RING #B98 @ SAVER SUB; IN @ 0500 HRS. 3/9/95 @ 12107'; 48.0 CUM. HRS. OF EXP. WEATHER: LT. RAIN, 10-20 MPH WINDS/W, 33 DEG. F., INTERMITTENT LT. RAIN LAST 24 HRS./ LOC & ACCESS: PAD - WET/MUDDY, ROAD - MUDDY/SLICK.
03/12/95	13068	05:00	MWD SURVEY @ 12852' - 79.5 DEG. INC./46.4 DEG. AZ. 05:15 08:15 DRILL ROTATE 12906-12937' - 31'/10.3 FPH. ROP CONTINUING TO SLOW. DECIDE TO TOOH TO CHECK MOTOR & BIT. 08:15 08:30 MWD SURVEY @ 12884' - 79.8 DEG. INC./46.1 DEG. AZ. WELL CONTINUING TO FLOW 2" STREAM OF WATER WITH PUMPS OFF. 08:30 09:00 KILL WELL - PUMP 35 BBLs. 9.7 PPG BRINE DOWN ANNULUS, FOLLOWED BY 35 BBLs. 9.7 PPG BRINE DOWN DRILLPIPE. WELL ON VACUUM/DEAD. 09:00 12:30 TRIP - TOOH TO CHECK MOTOR & BIT. NO TIGHT SPOTS. BIT SLIGHTLY WORN, MOTOR APPEARED TO BE OK FROM SURFACE INSPECTION. NO VISIBLE REASON FOR LACK OF PERFORMANCE. 12:30 14:30 PU/LD BHA & TOOLS - LD OLD MOTOR & BIT, PU NEW MOTOR, ORIENT, TEST - OK, PU NEW BIT. 14:30 15:00 TRIP - TIH W/BHA. 15:00 16:00 SLIP & CUT DRILL LINE - 96' 16:00 20:00 TRIP - CONT'D TIH, HIT OBSTRUCTION IN OPEN HOLE @ 12845'. 20:00 20:30 WASH/REAM - REAM THROUGH OBSTRUCTION @ 12845' WITH NO TROUBLE, REAM TO TD. 20:30 05:00 DRILL & SURVEY 12937-13068' DRILL ROTATE 106'/26.5 FPH DRILL SLIDE 25'/7.1 FPH

## OPERATION SUMMARY REPORT

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 22

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
03/13/95	13167	05:00 12:00	<p>MWD SURVEYS            SLIDE: 12937-12947' @ HS \\\ ROTATE:            12947-12969'            SLIDE: 12969-12984' @ HS \\\ ROTATE:            12984-13068'            PUMP PRESSURES: 1650 PSI (OFF BOTTOM), 1950 PSI (SLIDING), 2050 PSI (ROTATING) \\\ 60% RETURNS 12906-12937', NO RETURNS INITIALLY AFTER TRIP, REGAINED RETURNS AFTER REAMING, 10-65% RETURNS 12937-13068'. WELL FLOWING 2-3" STREAM OF WATER WITH PUMPS OFF, BEGINNING @ 13000', THEN CONTINUE TO LOSE VOLUME WITH PUMPS BACK ON. HAVE LOST TOTAL OF 2600 BBLs.            WATER TO FORMATION LAST 24 HRS. \\\ 220 UT. GAS SHOW, WITH TRACE OF OIL AT FLOWLINE AFTER REGAINING RETURNS, NO OTHER SIGNIFICANT OIL OR GAS SHOWS LAST 24 HRS. \\\            PUMPING POLYMER/ENVIRO TORQUE SWEEPS AS NEEDED TO CLEAN HOLE/HELP ROP \\\            NO METAL OBSERVED IN FORMATION SAMPLES LAST 24 HRS. \\\ TOOL INTERVALS: BIT TO SURVEY PROBE: 53', BIT TO GR PROBE: 60'            WEATHER: INTERMITTENT LT. RAIN &amp; SNOW LAST 24 HRS., 0-10 MPH WINDS/W, 25 DEG. F. /            LOC &amp; ACCESS: PAD - WET/MUDDY, ROAD - MUDDY/SLICK.            DRILL &amp; SURVEY 12937-13067'            DRILL ROTATE 74'/24.7 FPH            DRILL SLIDE 25'/7.1 FPH            MWD SURVEYS</p> <p>ROTATE: 13068-13112' \\\ SLIDE: 13112-13137' @ 180            ROTATE: 13137-13167'</p> <p>DRILL TO 13139', GR @ 13079' READING 60 UTS., CORRELLATING TO BASE OF TARGET, INDICATING MAJOR GEOLOGICAL CHANGE, MODEM DATA TO FT. WORTH WHILE CONTINUING TO DRILL AHEAD TO 13167', RECEIVED WORD TO SHUT DOWN DRILLING UNTIL FURTHER DATA COULD BE EVALUATED, ATTEMPTED TO MODEM GR DATA 13079-13107', TIME/DEPTH DATA IN MWD COMPUTER SCRAMBLED 12917-13107'.</p> <p>12:30 19:00 CIRCULATE - WHILE RE INPUTTING DEPTH &amp; TIME DATA. NO INDICATION OF RED BEDS BELOW WATTON CANYON IN CUTTINGS SAMPLES ON BOTTOMS UP. DATA HAD TO BE RE INPUTTED BY HAND TO REPAIR, MODEM IN TO FT. WORTH FOR ANALYSIS, ADDITIONAL GR INFORMATION EVALUATED, DECISION MADE TO TD WELL @ 13167'.</p> <p>19:00 20:00 KILL WELL - WELL FLOWING 2-3" STREAM WITH PUMPS OFF. PUMP 35 BBLs. 9.7 PPG BRINE DOWN ANNULUS &amp; 35 BBLs. DOWN DRILLPIPE, WELL ON VACUUM/DEAD.</p> <p>20:00 23:00 SHORT TRIP - 33 STANDS INTO CASING, 60-20M# UPDRAG, TIGHT SPOT @ 10520', PULLING 60M# OVER NORMAL, TIGHT @ 10520 ON TRIP BACK IN, BUT SLID THROUGH, 20-50M# DOWNDRAG ON TIH, NO</p>

## OPERATION SUMMARY REPORT

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 16 TO REPORT No. 22

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			<p>FILL.</p> <p>23:00 01:00 CIRCULATE - BOTTOMS UP PRIOR TO TOOH FOR LINER. REGAINED 25% RETURNS IN 1/2 HR., NO SHOWS.</p> <p>01:00 02:30 PUMP PILL - SPOT 70 BBL., 8.0 PPB LUBRA BEAD &amp; POLYMER PILL IN OPEN HOLE, WELL FLOWING WITH PUMPS OFF, PUMP 70 BBL. 9.7 PPG BRINE DOWN ANNULUS, WELL DEAD.</p> <p>02:30 04:30 TRIP - TOOH 33 STANDS TO CASING, 10M# REDUCTION IN UPDRAG AFTER SPOTTING BEADS. STILL PULLING 50M# OVER @ 10520', BUT ONLY MOMENTARY &amp; SHOULD NOT INTERFERE WITH LINER.</p> <p>04:30 05:00 PUMP PILL - MIX &amp; BEGIN SPOTTING 70 BBL., 8.0 PPB LUBRA BEAD &amp; POLYMER PILL IN OPEN HOLE FROM INTERMEDIATE CASING SHOE.</p> <p>PUMP PRESSURES: 1650 PSI (OFF BOTTOM), 1950 PSI (SLIDING), 2050 PSI (ROTATING) ∟ 60% RETURNS 13068-13067', 25% RETURNS AFTER SHORT TRIP. WELL FLOWING 2-3" STREAM OF WATER WITH PUMPS OFF. CONTINUE TO LOSE VOLUME WITH PUMPS BACK ON. HAVE LOST TOTAL OF 3400 BBL. WATER TO FORMATION LAST 24 HRS. ∟ NO SIGNIFICANT OIL OR GAS SHOWS LAST 24 HRS. ∟ NO METAL OBSERVED IN FORMATION SAMPLES LAST 24 HRS. ∟ MUD LOGGER RELEASED @ 0300 HRS. 3/13/95 ∟ NO SIGNIFICANT WEAR OBSERVED ON OUTER HOUSING ON MOTOR 475-096 WHEN LAID DOWN 3/10/95 ∟ LAST SURVEY POINT SHOWN @ 13167' IS EXTRAPOLATED CALCULATION TO BIT.</p> <p>WEATHER: CLOUDY, CALM, 23 DEG. F., INTERMITTENT LT. RAIN &amp; SNOW LAST 24 HRS. /            LOC &amp; ACCESS: PAD - WET/MUDDY,            ROAD - MUDDY/SLICK.</p>

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.                  Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.</small>	5. Lease Designation and Serial No. <b>UPRR Fee</b>
	6. If Indian, Allottee or Tribe Name <b>NA</b>
	7. Unit Agreement Name <b>NA</b>
	8. Well Name and Number <b>17-2 (Redrill)</b>
	9. API Well Number <b>43-043-30304</b>
10. Field and Pool, or Wildcat <b>Elkhorn</b>	
1. Type of Well: OIL ( <input checked="" type="checkbox"/> )      GAS (    )      OTHER: _____	
2. Name of Operator <b>Union Pacific Resources Company</b>	
3. Address and Telephone Number P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007 Telephone (817) 877-8000 (Main Number)	
4. Location of Well Footages      825' FSL, 663' FWL Sec. 17, T. 2 N., R. 7 E., SLBM      County      Summit QQ, Sec., T., R., M.      SW/SW Sec. 17, T. 2 N., R. 7 E., SLBM      State      Utah	

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

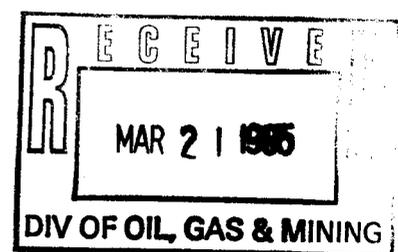
NOTICE OF INTENT <small>(Submit in Duplicate)</small>	SUBSEQUENT REPORT <small>(Submit Original Form Only)</small>
<input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Test <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shutoff <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot of Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off Shutoff <input checked="" type="checkbox"/> Other: Weekly Progress Report  Date of work completion _____  <small>Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.                      * Must be accompanied by a cement verification report.</small>
Approximate date work will start _____	

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

Weekly Progress Report No. 4, Week Ending March 20, 1995

Well Spudded February 18, 1995, Drill Rig Released March 15, 1995

See Attached Daily Operations Summaries



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
 If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13.  
 Name/Signature: W. F. Brazelton *W.F. Brazelton* Title: Senior Regulatory Analyst Date: 95-03-20

## OPERATION SUMMARY REPORT

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 23 TO REPORT No. 24

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
03/14/95	13167	05:00 06:30	PUMP PILL - CONT'D SPOTTING 70 BBL., 8.0 PPB LUBRA BEAD & POLYMER PILL IN OPEN HOLE FROM INTERMED. CASING SHOE. DISPLACE TO BOTTOM OF DP, PUMP 70 BBLs. 9.7 PPG BRINE DOWN ANNULUS, PUMP 35 BBLs. 9.7 PPG BRINE DOWN DP, WELL ON VAC.
		06:30 10:00	TRIP - CONT'D TOOH TO RUN LINER. SLM:13168.88', BOARD:13167', NO CORR.
		10:00 11:00	PU/LD BHA & TOOLS - LAY DOWN DIRECTIONAL TOOLS.
		11:00 16:00	RUN/RETRIEVE CASING - RUN 75 JTS. 4 1/2", 11.60#, N-80, LTC COND. 'B' LINER PERF'D W/1 SPF @ 180 DEG. PHASING. MAKE UP APPLIED DOWNHOLE TECH. SETTING TOOL. COULD NOT GET SETTING TOOL TO ENGAGE FOR ROTATION. FOUND DOWNHOLE TECH. HAD NOT MACHINED SETTING SLEEVE PROPERLY TO ALLOW ROTATING DOGS TO ENGAGE. SETTING TOOL COULD BE RUN CONVENTIONALLY, BUT COULD NOT ROTATE LINER WITHOUT BACKING OFF TOOL. DECIDED TO TRY & RUN WITH TOOL AS WAS, RATHER THAN WAIT ON NEW TOOL OUT OF CASPER. RD CASING CREW.
		16:00 20:00	TRIP - TIH W/LINER & SETTING TOOL ON 4" DP. RAN 7 STDS. 4 3/4" DCS STANDING BACK IN DERRICK IN VERTICAL SECTION FOR ADDED WEIGHT, CONT'D TIH W/4" DP TO TD OF 13167'. 40-50M# DOWNDRAG IN OPEN HOLE WITH LINER, BUT LINER SLID TO BOTTOM W/NO PROBLEMS. RELEASE SETTING TOOL FROM LINER. SHOE SET @ 13167', TOP OF RELEASING SLEEVE (TOL) @ 9972'.
		20:00 05:00	LD/PU DRILL PIPE/TBG. - LDDP, DC'S & SETTING TOOL, TIH W/DP IN DERRICK & BEGIN LD SAME. (LINER SETTING TOOL VISIBLY CHECKED NORMAL)
			HAVE LOST TOTAL OF 600 BBLs. WATER TO FORMATION LAST 24 HRS. ∞∞∞ NO SIGNIFICANT OIL OR GAS SHOWS LAST 24 HRS. ∞∞∞ SPERRY RELEASED @ 1100 HRS. 3/13/95 ∞∞ NO SIGNIFICANT WEAR OBSERVED ON OUTER HOUSING ON MOTOR 475-105 WHEN LAID DOWN 3/13/95 ∞∞ CORR. RING ANALYSIS: #B56 - 0.7582 #/FT.2/YR. / #B87 - 0.9590 #/FT.2/YR. ∞∞∞ DRLG./24 HRS.:0.0 HRS./CUM.:244.25 HRS. ∞∞ RIG FUEL DELS./24 HRS.:0 GALS./CUM.:26211 GALS. ∞∞ 97.75 CUM. ROT. HRS. ON BHA SINCE LAST INSP. ∞∞ MTR. SN. 475-105/14.0 HRS. DRLG./28.5 HRS. ON PUMP ∞∞ MWD TOOL/170.0 HRS. ON PUMP/186.0 HRS. IN HOLE ∞∞ CORR. RING #B62 @ TOP OF BHA; IN @ 1500 HRS. 3/8/95 @ 11991', OUT @ 1500 HRS. 3/13/95 @ 13167'; 120.0 CUM. HRS. OF EXP. / CORR. RING #B98 @ SAVER SUB; IN @ 0500 HRS. 3/9/95 @ 12107'; 120.0 CUM. HRS. OF EXP. ∞∞ WEATHER: PARTLY CLOUDY, CALM, 29 DEG. F., NO

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 23 TO REPORT No. 24

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
03/15/95	13167	05:00 09:30	NEW PRECIP. LAST 24 HRS. / LOC & ACCESS: PAD - WET/MUDDY, ROAD - OK.
		09:30 10:00	LD/PU DRILL PIPE/TBG. - BREAK KELLY, FINISH LDDP, RD LAYDOWN MACHINE.
		10:00 16:00	INSTALL HANGER - INSTALL BULL PLUGGED TUBING HANGER IN TUBING SPOOL, CLOSE BLIND RAMS, TEST ABOVE HANGER TO 1450 PSI FOR 5 MINS. - OK.
		16:00 22:00	NU/ND BOP/DIVERTER - ND FLOWLINE, ROTATING HEAD, & BOP, CHANGE PIPE RAMS IN BOP BACK TO 5", INSTALL BLIND FLANGE ON TOP OF TUBING SPOOL. BEGAN CLEANING MUD TANKS WHILE ND BOPE. CLEAN MUD TANKS - FINISH CLEANING MUD TANKS, RIG DOWN & SET OUT RENTAL TOOLS. RIG RELEASED @ 2200 HRS. 3/14/95. BEGIN RDRT.
			DRLG./24 HRS./:0.0 HRS./CUM.:244.25 HRS. \\\ RIG FUEL DELS./24 HRS.:0 GALS./CUM.:26211 GALS. CORR. RING #B98 @ SAVER SUB; IN @ 0500 HRS. 3/9/95 @ 12107', OUT @ 0700 HRS. 3/14/95 @ 13167'; 122.0 CUM. HRS. OF EXP.
			WEATHER: CLOUDY, CALM, 33 DEG. F., NO NEW PRECIP. LAST 24 HRS. / LOC & ACCESS: PAD - WET/MUDDY, ROAD - OK.
			FINAL REPORT!!!!!!

DOUBLE JACK TESTING & SERVICES, INC.

B.O.P. test report

B.O.P. test performed on (date) 2-20-95

oil company UPRC

Well Name & Number UPRR 17-2H (RE)

43-043-30304

Section 17

Township 2N

Range 7E

County Summit

Drilling contractor SST 56

oil company site representative D.L. PRESEM KOWSKI

Rig tool pusher Sparks

tested out of Evanston

Notified prior to test

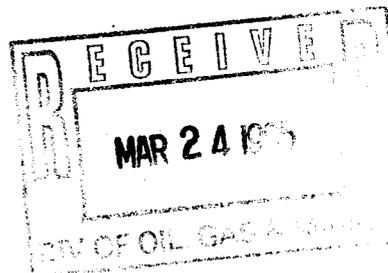
Copies of this test report sent to: UPRC

BLM

UT COMM. OF OIL & GAS

original chart & test report on file at: Evanston WYO.

tested by: Double Jack Testing & Services, Inc.  
108 Parkview Road  
P.O. Box 2097  
Evanston, Wyoming 82930



# Double Jack Testin & Services Inc.

FIELD TICKET  
No 11530

Accounting Office: P.O. Box 516 Shoshoni, WY 82649 • (307) 876-9390  
 Field Operations: Shoshoni, WY (307) 876-2308  
 Rock Springs, WY (307) 382-4020  
 Evanston, WY (307) 789-9213  
 Vernal, UT (801) 781-0448

DATE 2-20-98  
 OPERATOR UPRC  
 RIG NAME & NO. SST 56  
 WELL NAME & NO. ELLUPRR-17-2H(RE)

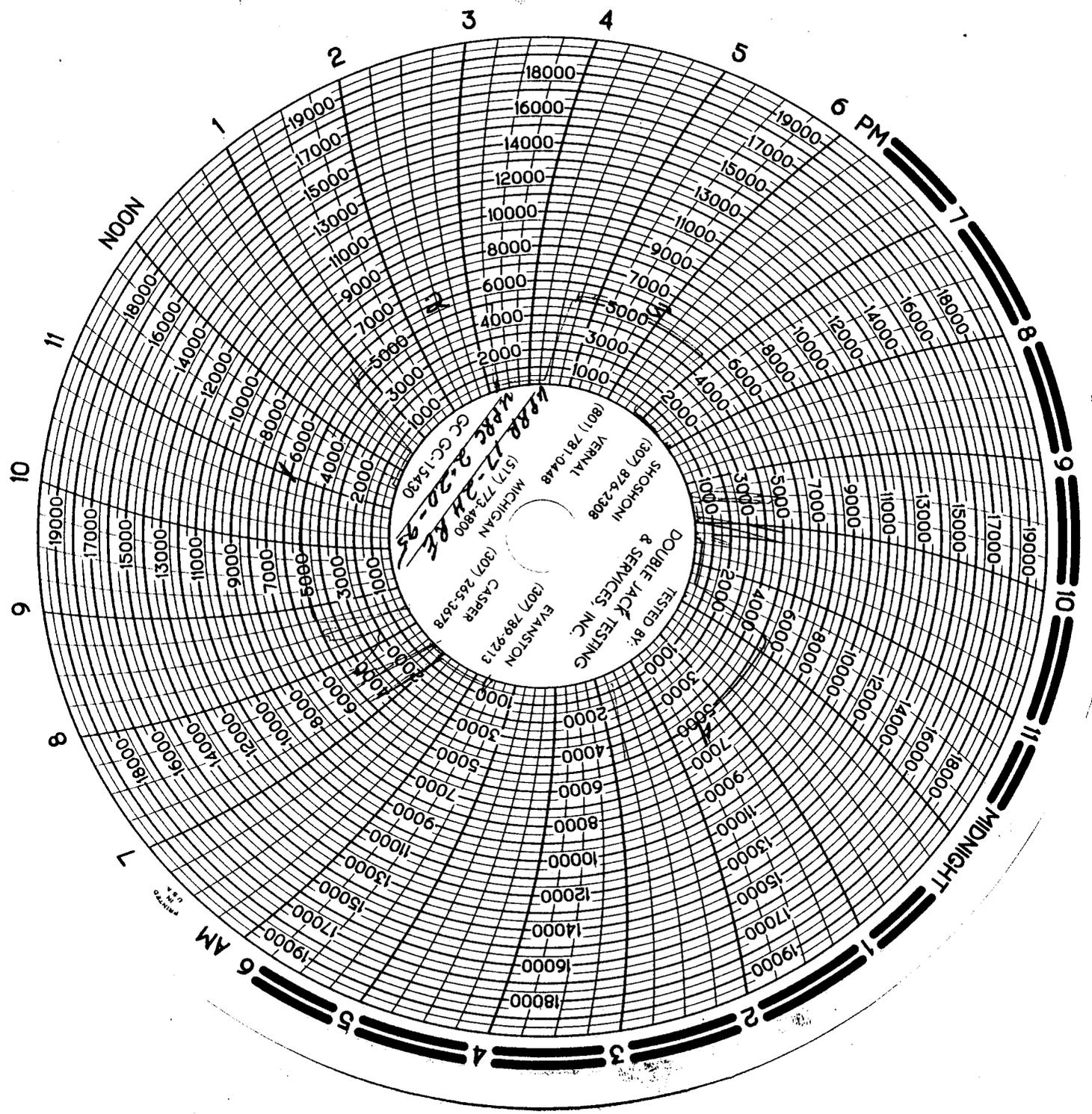
COUNTY Summit STATE UT SECTION 17 TOWNSHIP 2N RANGE 7E

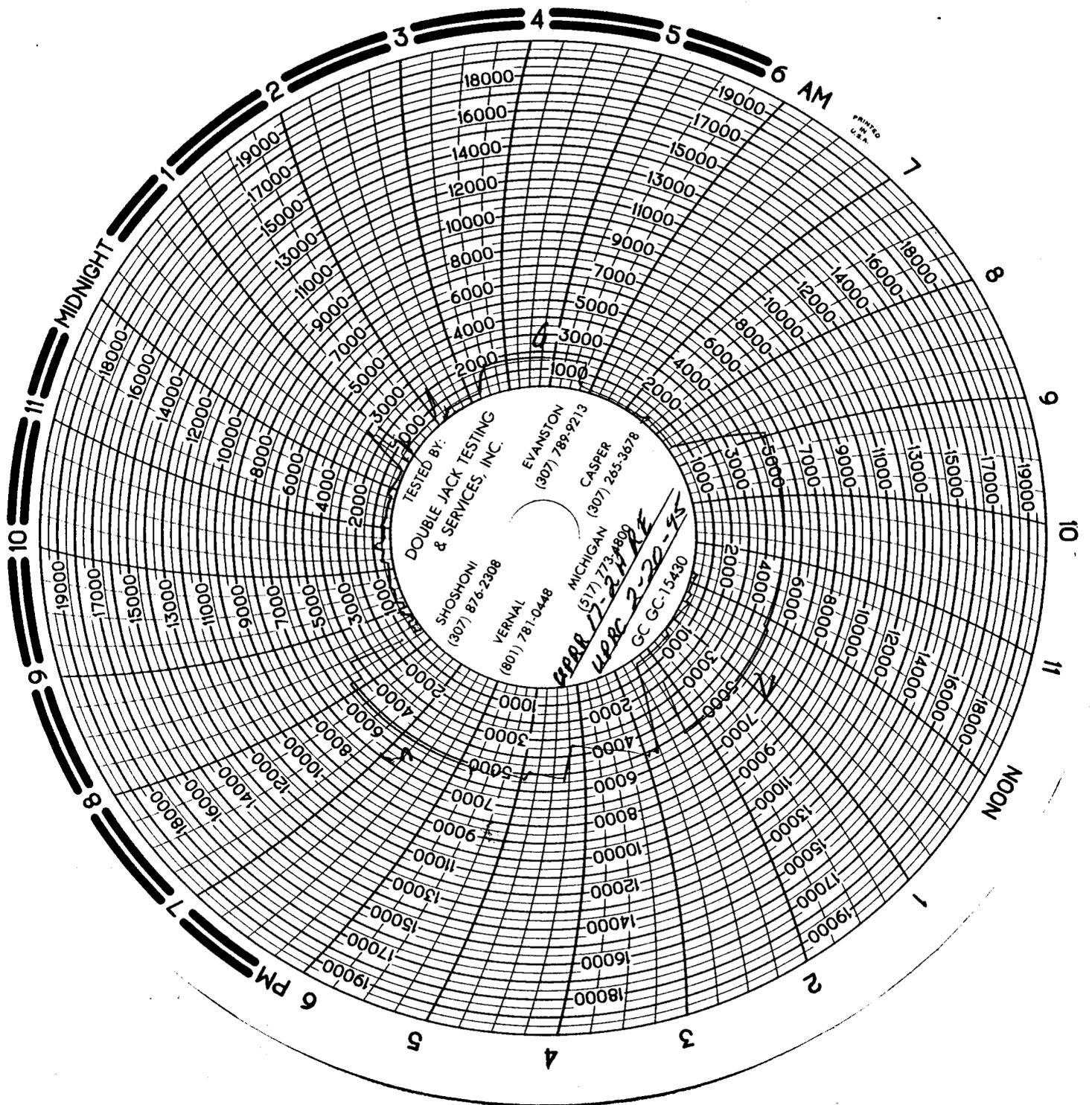
Items Tested:	LOW TEST PSI	TIME HELD MINUTES	HIGHEST PSI	TIME HELD MINUTES	COMMENTS
Top Pipe Rams	<u>250</u>	<u>5</u>	<u>5000</u>	<u>10</u>	Closing Unit PSI <u>3000</u>
Bottom Pipe Rams		<u>5</u>			Closing Time of Rams <u>3 sec</u>
Blind Rams	<u>250</u>	<u>5</u>	<u>5000</u>	<u>10</u>	Closing Time of Annular <u>8 sec</u>
Annular B.O.P.	<u>250</u>	<u>5</u>	<u>1500</u>	<u>10</u>	Closed Casing Head Valve <u>yes</u>
Choke Manifold	<u>250</u>	<u>5</u>	<u>5000</u>	<u>10</u>	Set Wear Sleeve _____
Choke Line	<u>250</u>	<u>5</u>	<u>5000</u>	<u>10</u>	
Kill Line				<u>10</u>	
Super Choke	<u>250</u>	<u>5</u>	<u>5000</u>	<u>10</u>	
Upper Kelly	<u>250</u>	<u>5</u>	<u>5000</u>	<u>10</u>	
Lower Kelly	<u>250</u>	<u>5</u>	<u>5000</u>	<u>10</u>	
Floor Valve	<u>250</u>	<u>5</u>	<u>5000</u>	<u>10</u>	
Dart Valve	<u>250</u>	<u>5</u>	<u>5000</u>	<u>10</u>	
Casing					

## ADDITIONAL TESTS & COMMENTS

TEST PLUG 7/16 OCT  
 RET. TOOL \_\_\_\_\_  
 TOP SUB. \_\_\_\_\_  
 KELLY SUB. 3 1/2 IF  
 X-OVER SUB. 4" FH - 3 1/2 IF



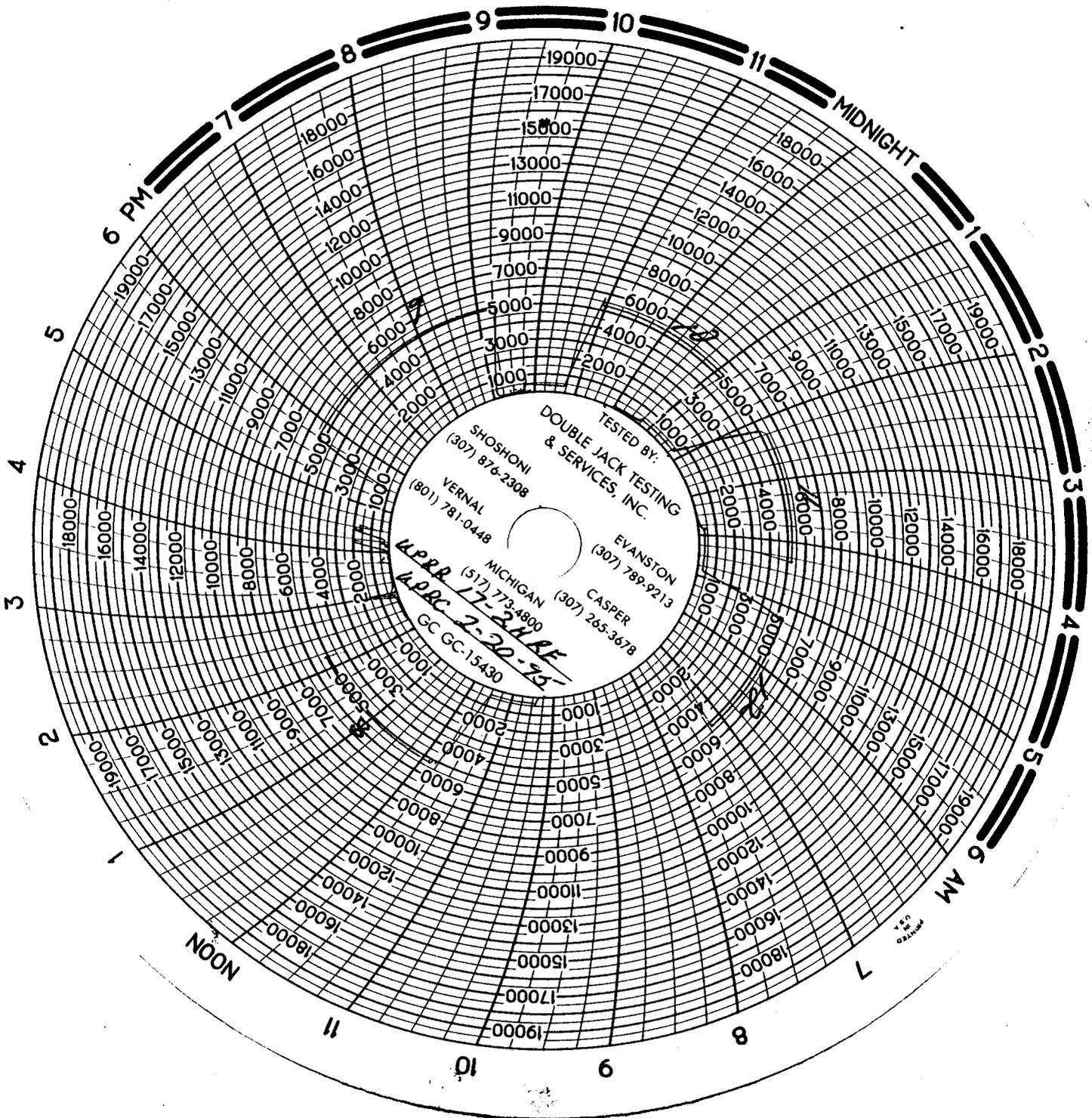




PRINTED  
U.S.A.

TESTED BY:  
DOUBLE JACK TESTING  
& SERVICES, INC.  
SHOSHONI (307) 876-2308  
VERNAL (801) 781-0448  
EVANSTON (307) 789-9213  
CASPER (307) 265-3678  
MICHIGAN (517) 773-1899  
GC GC-15430

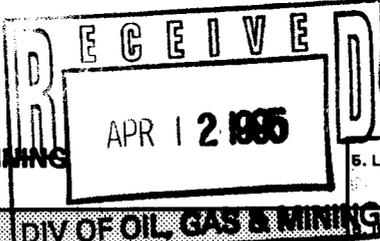
4PAR 15-21PK  
4PRC 2-20-95



TESTED BY:  
DOUBLE JACK TESTING  
& SERVICES, INC.  
EVANSTON (307) 789-9213  
CASPER (307) 265-3678  
MICHIGAN (517) 733-4800  
VERNAL (801) 781-0448  
SHOSHONI (307) 876-2308  
UPRR 17-23 MAKE  
UPRR 2-20-75  
GC GC-15430

100  
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10000  
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10000000  
100000000  
1000000000

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



CONFIDENTIAL

5. Lease Designation and Serial No.  
UPRR Fee

Indian, Allottee or Tribe Name  
NA

7. Unit Agreement Name  
NA

8. Well Name and Number  
17-2 (Redrill)

9. API Well Number  
43-043-30304

10. Field and Pool, or Wildcat  
Elkhorn

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well:  
OIL ( X )      GAS ( )      OTHER:

2. Name of Operator  
Union Pacific Resources Company

3. Address and Telephone Number  
P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
Telephone (817) 877-6000 (Main Number)

4. Location of Well  
Footage 825' FSL, 663' FWL Sec. 17, T. 2 N., R. 7 E., SLBM County Summit  
QQ, Sec., T., R., M. SW/SW Sec. 17, T. 2 N., R. 7 E., SLBM State Utah

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

NOTICE OF INTENT

(Submit in Duplicate)

- ( ) Abandonment
- ( ) Casing Repair
- ( ) Change of Plans
- ( ) Conversion to Injection
- ( ) Fracture Test
- ( ) Multiple Completion
- ( ) Other \_\_\_\_\_
- ( ) New Construction
- ( ) Pull or Alter Casing
- ( ) Recompletion
- ( ) Shoot or Acidize
- ( ) Vent or Flare
- ( ) Water Shutoff

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT

(Submit Original Form Only)

- ( ) Abandonment \*
- ( ) Casing Repair
- ( ) Change of Plans
- ( ) Conversion to Injection
- ( ) Fracture Treat
- ( X ) Other: Weekly Progress Report
- ( ) New Construction
- ( ) Pull or Alter Casing
- ( ) Shoot of Acidize
- ( ) Vent or Flare
- ( ) Water Shut-Off Shutoff

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

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

Weekly Progress Report No. 4, Week Ending March 20, 1995

Well spudded February 19, 1995; well reached total depth (13,167' MD/10,641' TVD) on March 13, 1995; rig released March 15, 1995.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13.  
Name/Signature: W. F. Brazelton *W F Brazelton* Title: Senior Regulatory Analyst Date: 95-04-10

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)	WELL No. :
AFE No. :020080	API No. :43-043-30304
FIELD :ELKHORN UTAH	RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 18 TO REPORT No. 24

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
03/14/95	13167	05:00 06:30	PUMP PILL - CONT'D SPOTTING 70 BBL., 8.0 PPB LUBRA BEAD & POLYMER PILL IN OPEN HOLE FROM INTERMED. CASING SHOE. DISPLACE TO BOTTOM OF DP, PUMP 70 BBL. 9.7 PPG BRINE DOWN ANNULUS, PUMP 35 BBL. 9.7 PPG BRINE DOWN DP, WELL ON VAC.
		06:30 10:00	TRIP - CONT'D TOOH TO RUN LINER. SLM:13168.88', BOARD:13167', NO CORR.
		10:00 11:00	PU/LD BHA & TOOLS - LAY DOWN DIRECTIONAL TOOLS.
		11:00 16:00	RUN/RETRIEVE CASING - RUN 75 JTS. 4 1/2", 11.60#, N-80, LTC COND. 'B' LINER PERF'D W/1 SPF @ 180 DEG. PHASING. MAKE UP APPLIED DOWNHOLE TECH. SETTING TOOL. COULD NOT GET SETTING TOOL TO ENGAGE FOR ROTATION. FOUND DOWNHOLE TECH. HAD NOT MACHINED SETTING SLEEVE PROPERLY TO ALLOW ROTATING DOGS TO ENGAGE. SETTING TOOL COULD BE RUN CONVENTIONALLY, BUT COULD NOT ROTATE LINER WITHOUT BACKING OFF TOOL. DECIDED TO TRY & RUN WITH TOOL AS WAS, RATHER THAN WAIT ON NEW TOOL OUT OF CASPER. RD CASING CREW.
		16:00 20:00	TRIP - TIH W/LINER & SETTING TOOL ON 4" DP. RAN 7 STDS. 4 3/4" DCS STANDING BACK IN DERRICK IN VERTICAL

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
 AFE No. :020080  
 FIELD :ELKHORN UTAH

WELL No. :  
 API No. :43-043-30304  
 RIG :SST #56

SUMMARY OF OPERATIONS FROM REPORT No. 18 TO REPORT No. 24

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		20:00 05:00	<p>SECTION FOR ADDED WEIGHT, CONT'D TIH W/4" DP TO TD OF 13167'. 40-50M# DOWNDRAG IN OPEN HOLE WITH LINER, BUT LINER SLID TO BOTTOM W/NO PROBLEMS. RELEASE SETTING TOOL FROM LINER. SHOE SET @ 13167', TOP OF RELEASING SLEEVE (TOL) @ 9972'.            LD/PU DRILL PIPE/TBG. - LDDP, DC'S &amp; SETTING TOOL, TIH W/DP IN DERRICK &amp; BEGIN LD SAME. (LINER SETTING TOOL VISIBLY CHECKED NORMAL)</p> <p>HAVE LOST TOTAL OF 600 BBLs.            WATER TO FORMATION LAST 24 HRS. \\\            NO SIGNIFICANT OIL OR GAS SHOWS LAST 24 HRS. \\\            SPERRY RELEASED @ 1100 HRS.            3/13/95 \\\ NO SIGNIFICANT WEAR OBSERVED ON OUTER HOUSING ON MOTOR 475-105 WHEN LAID DOWN            3/13/95 \\\ CORR. RING ANALYSIS: #B56 - 0.7582 #/FT.2/YR. / #B87 - 0.9590 #/FT.2/YR. \\\            DRLG./24 HRS.:0.0 HRS./CUM.:244.25 HRS. \\\            RIG FUEL DELS./24 HRS.:0 GALS./CUM.:26211 GALS. \\\ 97.75 CUM. ROT. HRS. ON BHA SINCE LAST INSP. \\\            MTR. SN.            475-105/14.0 HRS. DRLG./28.5 HRS. ON PUMP \\\            MWD TOOL/170.0 HRS. ON PUMP/186.0 HRS. IN HOLE \\\            CORR. RING #B62 @ TOP OF BHA; IN @ 1500 HRS. 3/8/95 @ 11991', OUT @ 1500 HRS. 3/13/95 @ 13167'; 120.0 CUM. HRS. OF EXP. /            CORR. RING #B98 @ SAVER SUB; IN @ 0500 HRS. 3/9/95 @ 12107'; 120.0 CUM. HRS. OF EXP. \\\            WEATHER: PARTLY CLOUDY, CALM, 29 DEG. F., NO NEW PRECIP. LAST 24 HRS. /            LOC &amp; ACCESS: PAD - WET/MUDDY, ROAD - OK.</p>
03/15/95	13167	05:00 09:30	LD/PU DRILL PIPE/TBG. - BREAK KELLY, FINISH LDDP, RD LAYDOWN MACHINE.
		09:30 10:00	INSTALL HANGER - INSTALL BULL PLUGGED TUBING HANGER IN TUBING SPOOL, CLOSE BLIND RAMS, TEST ABOVE HANGER TO 1450 PSI FOR 5 MINS. - OK.
		10:00 16:00	NU/ND BOP/DIVERTER - ND FLOWLINE, ROTATING HEAD, & BOP, CHANGE PIPE RAMS IN BOP BACK TO 5", INSTALL BLIND FLANGE ON TOP OF TUBING SPOOL. BEGAN CLEANING MUD TANKS WHILE ND BOPE.
		16:00 22:00	CLEAN MUD TANKS - FINISH CLEANING MUD TANKS, RIG DOWN & SET OUT RENTAL TOOLS. RIG RELEASED @ 2200 HRS. 3/14/95. BEGIN RDRT.
			<p>DRLG./24 HRS.:0.0 HRS./CUM.:244.25 HRS. \\\            RIG FUEL DELS./24 HRS.:0 GALS./CUM.:26211 GALS.            CORR. RING #B98 @ SAVER SUB; IN @ 0500 HRS. 3/9/95 @ 12107', OUT @ 0700 HRS. 3/14/95 @ 13167'; 122.0 CUM. HRS. OF EXP.</p> <p>WEATHER: CLOUDY, CALM, 33 DEG. F., NO</p>

**OPERATION SUMMARY REPORT**

WELLNAME :UPRR 17-2H (RE)  
AFE No. :020080  
FIELD :ELKHORN UTAH

WELL No. :  
API No. :43-043-30304  
RIG :SST #56

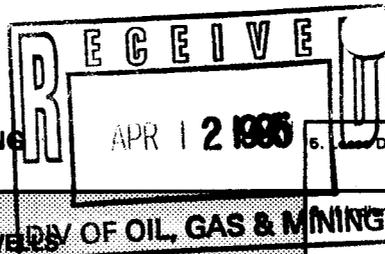
SUMMARY OF OPERATIONS FROM REPORT No. 18 TO REPORT No. 24

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			NEW PRECIP. LAST 24 HRS. / LOC & ACCESS: PAD - WET/MUDDY, ROAD - OK.  FINAL REPORT!!!!!!

4-13-95

FORM 9

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



6. Lease Designation and Serial No. UPRR Fee

Allottee or Tribe Name NA

7. Unit Agreement Name NA

8. Well Name and Number 17-2 (Redrill)

9. API Well Number 43-043-30304

10. Field and Pool, or Wildcat Elkhorn

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

1. Type of Well: OIL ( X ) GAS ( ) OTHER:

2. Name of Operator Union Pacific Resources Company

3. Address and Telephone Number P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007 Telephone (817) 877-6000 (Main Number)

4. Location of Well Footages 825' FSL, 663' FWL Sec. 17, T. 2 N., R. 7 E., SLBM County Summit QQ, Sec., T., R., M. SW/SW Sec. 17, T. 2 N., R. 7 E., SLBM State Utah

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

NOTICE OF INTENT (Submit in Duplicate) ( ) Abandonment ( ) Casing Repair ( ) Change of Plans ( ) Conversion to Injection ( ) Fracture Test ( ) Multiple Completion ( ) Other \_\_\_\_\_ ( ) New Construction ( ) Pull or Alter Casing ( ) Recompletion ( ) Shoot or Acidize ( ) Vent or Flare ( ) Water Shutoff

SUBSEQUENT REPORT (Submit Original Form Only) ( ) Abandonment \* ( ) Casing Repair ( ) Change of Plans ( ) Conversion to Injection ( ) Fracture Treat (X) Other: Monthly Progress Report Date of work completion \_\_\_\_\_ Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. \* Must be accompanied by a cement verification report.

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

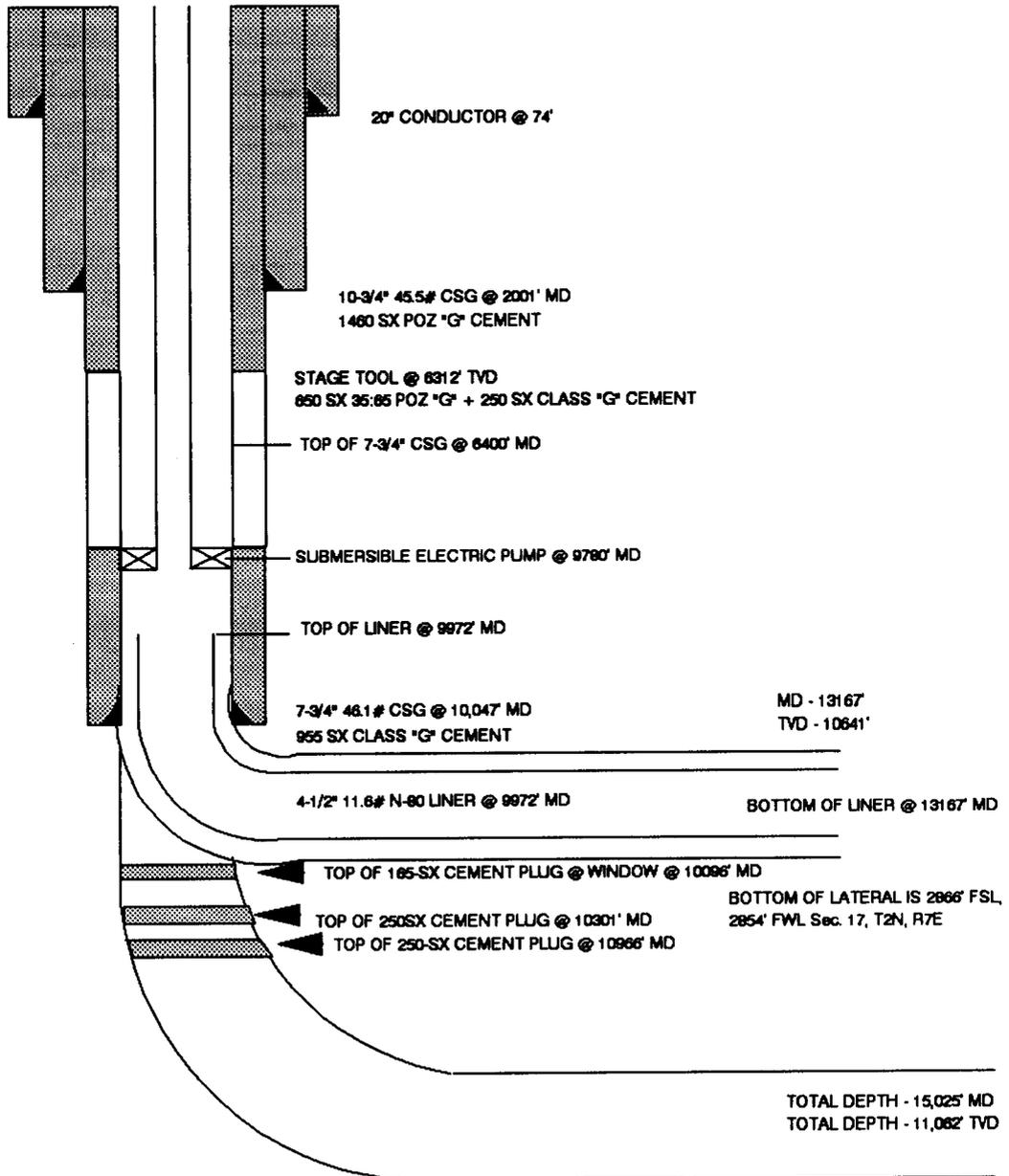
Monthly Progress Report, March 1995  
Well spudded February 19, 1995; well reached total depth (13,167' MD) on March 13, 1995.  
See previously submitted Daily Operations Summaries for detail

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13. Name/Signature: W. F. Brazelton *W.F. Brazelton* Title: Senior Regulatory Analyst Date: 95-04-10

WELL NAME: UPRR 17-2H  
 Sec. 17, T. 2 N., R. 7 E., SLBM  
 Summit County, Utah  
 API No. 43-043-30304  
 SPUD DATE: 94-04-26

DATE: 95-04-10  
 BY: WFB  
 FIELD: Elkhorn



**UNION PACIFIC RESOURCES COMPANY**

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

RECEIVED APR 12 1995

LEASE DESIGNATION AND SERIAL No. UPRR Fee

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1 a. TYPE OF WELL (X) OIL WELL ( ) GAS WELL ( ) DRY ( ) OTHER

3. IF INDIAN, ALLOTTEE OR TRIBAL NAME NA

b. TYPE OF COMPLETION ( ) NEW WELL ( ) WORK OVE ( ) DEEPEN (X) PLUG BAC ( ) DIFF. RESV ( ) OTHER

7. UNIT AGREEMENT NAME NA

2. NAME OF OPERATOR UNION PACIFIC RESOURCES COMPANY

8. FARM OR LEASE NAME UPRR

3. ADDRESS OF OPERATOR P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007

9. WELL NAME UPRR 17-2H (Redrill)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At Surface 825' FSL, 663' FWL Sec. 17, T2N, R7 E, SLM

10. FIELD AND POOL, OR WILDCAT Elkhorn

At Proposed Producing Zone 874' FSL, 1041' FWL Sec. 17, T2N, R7E, SLM At Total Depth: 2866' FSL, 2854' FWL Sec. 17, T2N, R7E, SLM SWNE

11. QQ, SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SWSW Sec. 17, T2N, R7Em SLM

14. API NUMBER 43-043-30304 DATE ASSIGNED 903-22

12. COUNTY Summit 13. STATE Utah

15. DATE SPUD 95-02-20 16. DATE TD REACHED 95-03-13

17. DATE COMPL. (Ready to prod.) 3-27-95 or (Plug & Abd.) 18. ELEVATIONS (DF, RKB, RT, GL, etc.) 6924' GL; 6948' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH (MD & TVD) 13167/10641'

21. PLUG BACK TD, MD & TVD 10095/10080'

22. IF MULTIPLE COMPL., HOW MANY NA

23. INTERVAL DRILLED BY Rotary? X Cable Tools?

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD & TVD) 10426/10351' 13167/10641' Watton Canyon

25. WAS DIRECTIONAL SURVEY MADE? GR MWD

26. TYPE ELECTRIC AND OTHER LOGS RUN NA

27. WAS WELL CORED? ( ) Yes ( ) No (Submit Analysis) DRILL STEM TEST? ( ) Yes ( ) No (See Reverse Side)

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

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 20" CONDUCTOR, 10-3/4" 45.5, 7-5/8" 29.7, 7-3/4" 46.1.

29. LINER RECORD

30. TUBING RECORD

Table with 5 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT, SCREEN (MD). Row: 4-1/2" 9972' 13167' NA

Table with 3 columns: SIZE, DEPTH SET (MD), PACKER SET (MD). Row: 2-7/8" 9780' NA

31. PERFORATION RECORD (Interval, size, and number)

4-1/2" Pre-perforated 11.6# N-80 Liner

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

Table with 2 columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED. Row: NA

33. PRODUCTION

Table with 7 columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, COKE SIZE, PROD'N FOR, OIL-BBL., GAS-MCF, WATER-BBL., GAS - OIL RATIO, FLOW. TBG PRESSURE, CSG PRESSURE, CALCULATED, OIL-BBL., GAS-MCF, WATER-BBL., OIL GRAVITY - API (CORR.).

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold through UPRC Pineview Planat

TEST WITNESSED BY Paul Smith - UPRC

35. LIST OF ATTACHMENTS Borehole Schematic Diagram

36. I hereby certify that this report is true and complete to the best of my knowledge

Signed: W. F. Brazelton [Signature] Title: Senior Regulatory Analyst

Date: 95-04-10

See Spaces for Additional data on Reverse Side



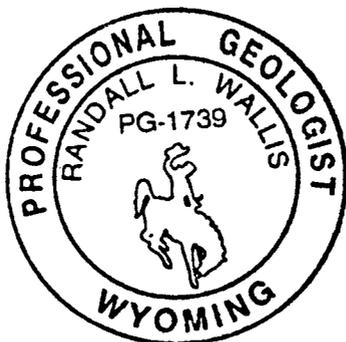
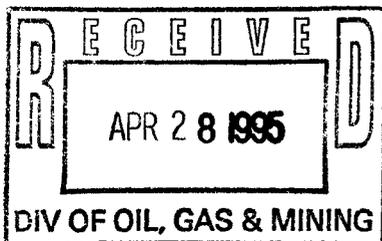
UNION PACIFIC RESOURCES COMPANY

43-043-30304

UPRR 17-2H RE

663' FWL, 825' FSL of Section 17, T 2N, R 7E  
Summit County, Utah  
March 14, 1995

**CONFIDENTIAL**



Respectfully Submitted by:

*Randy Wallis*

Randy Wallis  
737 4th Avenue West  
Rock Springs, WY 82901

MICROFICHE

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## WELL DATA SUMMARY

**Operator:** Union Pacific Resources Company

**Well:** UPRR 17-2H RE (Re-Entry)

**Surface Location:** 663' FWL, 825' FSL, Section 17, T2N, R7E  
Summit County, Utah

**Hole Bottom Location:** 2041' N, 2191' E (2854' FWL, 2866' FSL, Section 17)

**TVD at TD:** 10641'

**Vertical Section:** 2994'

**Elevation:** Ground Level: 6946'  
Kelly Bushing: 6922'

**Company Personnel:** Ross Matthews, Geologist, Fort Worth, Texas  
Bill Charles, Engineer, Fort Worth, Texas

**Drilling Foreman:** Don Presenkowski  
Bobby Cooper

**Well-site Geologist** Randy Wallis, Rock Springs, Wyoming  
**Mud Logging:** Log Rite Well Logging, Ft. Collins, Colorado

**Drilling Contractor:** SST Rig 56  
Tool pusher: Doc Asay

**Drilling Fluids:** Baroid Drilling Fluids, Denver, Colorado  
Carlos Bassett, Leon Berg  
Water/brine water from 10100' to T.D.

**MWD:** Sperry Sun, Casper, Wyoming  
Bob Balbinot, Kim Wehrung, Aaron Kessel

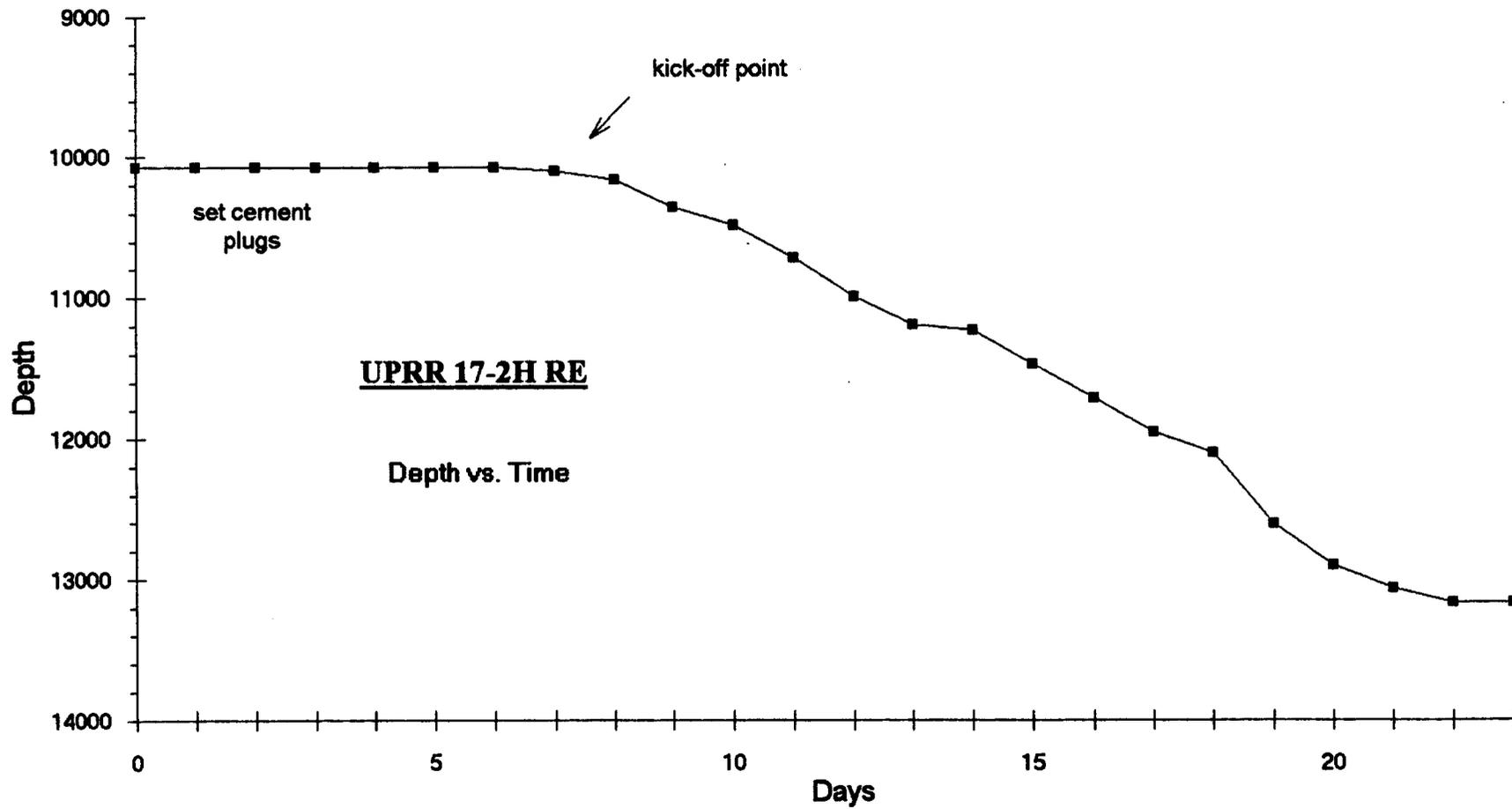
**Directional:** Sperry Sun, Casper, Wyoming  
Mike Bjerneby, Mike Brennan

**Intermediate Casing:** 7 5/8" at 10046'  
**Production:** 4 1/2" pre-perforated at 13167'

**Spud:** Re-entry initiated February 19, 1995  
**Total Depth:** 13167' on March 12, 1995  
**Well Status:** Completion of Watton Canyon in Progress  
**Cores:** None  
**Drill Stem Tests:** None

### Daily Drilling Summary

Day	Date	Depth	Progress	Drilling Hours	Activity
1-7	2/19-26	10096	0	-	Set 3 cement plugs, drill cement, prepare to kick-off.
8	2/27	10159	63	20 1/2	Time-Drill (slide) to kick-off.
9	2/28	10355	196	13	Drill to 10263', bit trip, drill to 10355'.
10	3/1	10479	124	12 1/2	Drill to 10479', trip for bit, wash/ream 75' to bottom.
11	3/2	10720	241	16	Drill to 10720', weight-up to 9.1 to kill flow.
12	3/3	10994	274	21 3/4	Drill 10994'.
13	3/4	11193	199	21	Drill to 11193'.
14	3/5	11237	44	7 1/2	Drill to 11200', bit trip, drill to 11237', trip for MWD tool
15	3/6	11477	240	18 1/2	Finish trip, drill to 11477'.
16	3/7	11721	244	22	Drill to 11721'.
17	3/8	11962	241	21 3/4	Drill to 11962'.
18	3/9	12107	145	12 3/4	Drill to 11991', trip for BHA/bit change, drill to 12107'.
19	3/10	12615	508	20 1/4	Drill to 12615', mostly rotating.
20	3/11	12906	291	20 3/4	Drill to 12906', loss of returns.
21	3/12	13068	162	10 1/2	Drill to 12937', bit trip, drill to 13068'.
22	3/13	13167	99	6 1/2	Drill to 13167' TD, wait on orders, short trip, trip out.
23	3/14	13167	0	0	Run 4 1/2" production liner.



## FORMATION TOPS

Formation	Prognosis	Measured Depth	TVD	Subsea
Leeds Creek	-	9978	9964	-3018
Watton Canyon	10365	10426	10351	-3405
Watton Canyon Target	10430	10604	10425	-3479
Top "Sweet Spot"	-	10836	10466	-3520
Top "Sweet Spot", from below	-	12230	10512	-3566
Top "Sweet Spot"	-	12850	10592	-3646
Base of Target	-	13068	10627	-3681
Boundary Ridge	10470	-	-	-

## Geological Comments

The UPRR 17-2H was originally drilled in the spring of 1994 targeting the Rich member of the Twin Creek formation as the primary zone of interest. However, after nine months or so, production from the Rich was disappointing. A copious amount of water was produced along with relatively minor amounts of oil, and the decision was made to re-enter the well and drill a lateral into the more regionally successful Watton Canyon member. The target zone is an approximately 38-foot thick zone near the base of the Watton Canyon, composed of a relatively clean limestone thought to be more susceptible to fracturing.

The UPRR 17-2H RE (Re-Entry) was kicked-off on February 26, 1995, after setting three cement plugs to seal off the lower portion of the hole. Kick-off point was at 10095', about 50' below intermediate casing. One lateral was drilled at an Azimuth of about 46° (northeast direction) at an inclination of 88° to 84°. After 15 days of drilling, a Total Depth of 13167' was reached on March 12, 1995. A vertical section of 3600' was originally planned, but after the lateral left the target zone (possibly from a fault), the well was ended with a vertical section of 2994'. Of the total vertical section, 2430' were in the target zone. Fresh water was used in drilling, with an occasional salt-up to increase weight to kill flow.

As the angle was being built, several fractures in the upper Watton Canyon (about 50' TVD above the target top) flowed abundant gas and oil. The drilling fluid was weighted up to kill the flow, resulting in lost circulation. Returns came back partially and intermittently for several days; then, by the end of the well most returns had been regained. Steady background gas and oil shows on the pit were observed during the drilling of the lateral, but it is unclear as to the exact source of these hydrocarbons. Although the constant partial lost returns tends to disguise lower shows, the majority of gas or oil shows were observed while building angle in the upper Watton Canyon.

The fractured zone in the upper Watton Canyon also corresponds to a similar zone and position in the neighboring Newton Sheep 20-1H well, about 1/4 mile to the south. Similar shows were seen in this zone, here, too. This zone may have potential for production if the reservoir is not too disconnected and thus short-lived. In the Watton Canyon Target zone several fracture zones were encountered, resulting in temporary lost circulation, and minor shows were recorded. The hydrocarbons contained in this zone should exit the formation once the drilling fluid has been displaced; flow-testing will determine its potential.





SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

UPRC  
17-2H-RE

12-MAR-1995  
19:14:32

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
10075.88	10.20	357.10	10061.23	101.73 S	289.44 E	138.48	0.00
10094.53	11.20	4.70	10079.56	98.28 S	289.51 E	140.92	9.26
10126.32	12.50	16.50	10110.67	91.90 S	290.73 E	146.22	8.63
10156.30	16.90	22.20	10139.67	84.75 S	293.31 E	153.02	15.43
10188.08	21.80	23.10	10169.64	75.04 S	297.37 E	162.68	15.45
10219.94	26.60	23.50	10198.69	63.05 S	302.54 E	174.71	15.07
10251.74	31.10	25.70	10226.54	49.11 S	308.94 E	188.98	14.54
10283.50	36.20	29.00	10252.97	33.51 S	317.05 E	205.63	17.05
10315.33	41.20	31.50	10277.81	16.34 S	327.09 E	224.76	16.46
10347.17	45.60	35.10	10300.94	1.92 N	339.12 E	246.08	15.85
10378.96	48.70	38.60	10322.56	20.56 N	353.10 E	269.07	12.66
10410.80	52.80	42.00	10342.70	39.34 N	369.06 E	293.59	15.30
10442.58	58.50	43.80	10360.63	58.54 N	386.92 E	319.77	18.53
10474.09	63.40	47.90	10375.93	77.70 N	406.69 E	347.30	19.26
10505.86	65.60	47.20	10389.61	97.05 N	427.85 E	375.96	7.20
10537.61	67.60	47.00	10402.22	116.89 N	449.19 E	405.10	6.33
10569.33	70.00	45.60	10413.69	137.32 N	470.57 E	434.67	8.61
10601.13	72.40	44.90	10423.93	158.51 N	491.94 E	464.77	7.83
10632.95	75.80	45.20	10432.65	180.13 N	513.60 E	495.36	10.72
10664.72	78.80	44.90	10439.63	202.02 N	535.53 E	526.34	9.49
10696.45	80.10	44.70	10445.44	224.15 N	557.51 E	557.52	4.14
10728.25	79.80	43.40	10450.99	246.66 N	579.28 E	588.81	4.13
10759.94	80.00	41.80	10456.55	269.62 N	600.40 E	619.95	5.01
10791.67	82.20	40.30	10461.46	293.26 N	620.98 E	651.17	8.36
10823.35	84.90	39.20	10465.02	317.46 N	641.11 E	682.44	9.19
10855.10	87.70	38.40	10467.07	342.15 N	660.96 E	713.86	9.17
10886.89	88.40	37.20	10468.15	367.26 N	680.43 E	745.29	4.37
10918.58	88.00	35.70	10469.14	392.73 N	699.25 E	776.51	4.90
10950.34	87.40	35.10	10470.42	418.60 N	717.63 E	807.68	2.67
10982.09	87.70	34.60	10471.78	444.63 N	735.76 E	838.78	1.84
11013.87	88.00	33.40	10472.97	470.96 N	753.52 E	869.82	3.89
11045.61	88.80	32.90	10473.85	497.52 N	770.87 E	900.73	2.97
11077.41	87.80	32.20	10474.80	524.32 N	787.97 E	931.62	3.84
11109.13	86.30	32.20	10476.43	551.12 N	804.85 E	962.35	4.73
11140.87	86.20	31.70	10478.51	578.00 N	821.61 E	993.05	1.60
11172.25	86.50	31.80	10480.50	604.63 N	838.09 E	1023.38	1.01
11203.16	87.00	32.00	10482.26	630.83 N	854.39 E	1053.28	1.74
11235.03	87.80	33.10	10483.70	657.66 N	871.52 E	1084.22	4.26
11266.76	87.80	32.90	10484.92	684.25 N	888.79 E	1115.09	0.63
11298.45	88.10	32.70	10486.05	710.87 N	905.95 E	1145.90	1.14

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

UPRC  
17-2H-RE

12-MAR-1995  
19:14:32

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
11330.15	88.20	32.10	10487.08	737.62 N	922.92 E	1176.67	1.92
11361.90	88.20	32.00	10488.07	764.52 N	939.77 E	1207.44	0.31
11392.60	88.70	32.20	10488.90	790.52 N	956.07 E	1237.20	1.75
11424.39	89.00	32.80	10489.54	817.32 N	973.15 E	1268.08	2.11
11456.18	88.60	32.80	10490.21	844.04 N	990.37 E	1299.00	1.26
11488.01	88.30	33.20	10491.07	870.72 N	1007.70 E	1329.98	1.57
11519.79	88.70	34.50	10491.90	897.11 N	1025.39 E	1361.01	4.28
11551.59	89.00	35.30	10492.54	923.18 N	1043.58 E	1392.19	2.69
11583.35	89.30	36.80	10493.01	948.86 N	1062.27 E	1423.45	4.82
11613.70	89.10	37.80	10493.43	973.00 N	1080.66 E	1453.43	3.36
11645.49	88.90	39.00	10493.99	997.91 N	1100.40 E	1484.92	3.83
11677.29	88.70	38.60	10494.66	1022.69 N	1120.32 E	1516.45	1.41
11709.08	89.20	39.30	10495.24	1047.40 N	1140.31 E	1547.98	2.71
11740.86	89.80	40.60	10495.52	1071.76 N	1160.71 E	1579.57	4.51
11772.68	90.30	41.10	10495.49	1095.83 N	1181.52 E	1611.25	2.22
11804.46	90.60	41.00	10495.24	1119.80 N	1202.39 E	1642.90	1.00
11836.26	90.70	41.00	10494.88	1143.80 N	1223.26 E	1674.57	0.31
11868.04	89.60	41.20	10494.79	1167.75 N	1244.15 E	1706.22	3.52
11899.82	88.00	41.40	10495.46	1191.62 N	1265.12 E	1737.88	5.07
11931.57	87.90	41.50	10496.60	1215.40 N	1286.12 E	1769.50	0.45
11963.66	87.90	43.00	10497.77	1239.13 N	1307.68 E	1801.49	4.67
11995.39	88.00	44.40	10498.91	1262.06 N	1329.59 E	1833.17	4.42
12027.16	87.60	46.70	10500.13	1284.29 N	1352.25 E	1864.91	7.34
12058.94	87.80	49.40	10501.40	1305.51 N	1375.86 E	1896.65	8.51
12090.75	86.50	50.10	10502.98	1326.04 N	1400.11 E	1928.35	4.64
12122.62	86.00	49.90	10505.07	1346.48 N	1424.47 E	1960.09	1.69
12154.37	86.10	50.00	10507.25	1366.86 N	1448.72 E	1991.69	0.44
12186.04	86.10	49.70	10509.41	1387.24 N	1472.87 E	2023.23	0.95
12217.75	86.00	49.50	10511.59	1407.74 N	1496.96 E	2054.80	0.70
12249.49	85.90	49.20	10513.83	1428.37 N	1520.98 E	2086.42	0.99
12281.27	86.00	49.20	10516.08	1449.08 N	1544.98 E	2118.07	0.31
12313.04	83.50	49.20	10518.99	1469.75 N	1568.93 E	2149.67	7.87
12344.79	82.90	49.30	10522.74	1490.33 N	1592.81 E	2181.15	1.92
12376.54	83.70	49.10	10526.45	1510.93 N	1616.68 E	2212.64	2.60
12408.38	83.40	49.60	10530.03	1531.54 N	1640.68 E	2244.23	1.82
12440.15	83.30	49.30	10533.70	1552.06 N	1664.66 E	2275.73	0.99
12471.87	83.30	49.20	10537.41	1572.62 N	1688.53 E	2307.19	0.31
12503.65	83.30	48.90	10541.11	1593.31 N	1712.37 E	2338.71	0.94
12535.43	83.20	48.90	10544.85	1614.06 N	1736.15 E	2370.24	0.31
12566.71	83.00	48.90	10548.61	1634.47 N	1759.55 E	2401.26	0.64

†

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

UPRC  
17-2H-RE

12-MAR-1995  
19:14:32

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
12598.51	83.00	48.60	10552.48	1655.28 N	1783.28 E	2432.79	0.94
12630.27	82.80	48.50	10556.41	1676.14 N	1806.90 E	2464.28	0.70
12662.04	82.90	48.40	10560.36	1697.05 N	1830.49 E	2495.78	0.44
12693.76	81.80	48.20	10564.59	1717.97 N	1853.97 E	2527.19	3.52
12725.50	80.10	48.40	10569.58	1738.82 N	1877.37 E	2558.52	5.39
12757.25	79.90	47.20	10575.09	1759.82 N	1900.53 E	2589.77	3.78
12788.95	80.10	47.20	10580.60	1781.03 N	1923.44 E	2620.99	0.63
12820.74	79.60	46.80	10586.20	1802.37 N	1946.32 E	2652.27	2.00
12852.47	79.50	46.40	10591.95	1823.81 N	1969.00 E	2683.48	1.28
12884.21	79.80	46.10	10597.66	1845.40 N	1991.55 E	2714.70	1.33
12916.01	79.60	46.20	10603.34	1867.08 N	2014.11 E	2745.99	0.70
12947.81	80.40	46.20	10608.86	1888.75 N	2036.72 E	2777.31	2.52
12979.62	81.90	46.00	10613.76	1910.55 N	2059.36 E	2808.74	4.76
13011.35	82.10	45.70	10618.17	1932.43 N	2081.91 E	2840.16	1.13
13043.09	82.20	45.50	10622.51	1954.43 N	2104.37 E	2871.60	0.70
13074.91	82.40	45.20	10626.77	1976.59 N	2126.81 E	2903.13	1.13
13106.55	82.30	44.90	10630.98	1998.75 N	2149.00 E	2934.48	0.99
*13167.00	79.00	44.90	10640.80	2040.99 N	2191.10 E	2994.10	5.46

\*Extrapolated to T.D.

THE DOGLEG SEVERITY IS IN DEGREES PER 100 FEET  
THE VERTICAL SECTION WAS COMPUTED ALONG 46.20°

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE  
DISPLACEMENT IS 2994.42 FEET IN THE DIRECTION OF 47.03°  
COORDINATE VALUES ARE GIVEN RELATIVE TO THE PLATFORM REFERENCE POINT  
VERTICAL SECTION IS GIVEN RELATIVE TO THE WELLHEAD LOCATION

## Sample Descriptions

Samples on the UPRR 17-2H RE were lagged and caught by the drill crews in 20-foot intervals from 10100' to a Total Depth of 13167'. Sample quality varied from good to poor, becoming powdery (poor) as depth increased.

- 10100' - 10140': Limestone; medium gray, micro-crystalline, poor samples.  
Abundant cement.
- 10140' - 10200': Limestone; light to medium gray, micro- to crypto-crystalline, slightly argillaceous, dense.  
Trace Shale; light blue green, waxy, moderately soft.
- 10200' - 10300': Limestone; medium gray, micro- to crypto-crystalline, slightly to moderately argillaceous, dense.
- 10300' - 10340': Limestone; light to medium gray, gray brown, micro- to crypto-crystalline, clean to slightly argillaceous, dense.
- 10340' - 10420': Limestone; light gray brown, crypto- to micro-crystalline, moderately clean, dense, tight.

### Watton Canyon: 10426', (10351' TVD, -3405' Subsea)

- 10420' - 10460': Limestone; cream to light gray brown, micro-crystalline, occasionally very fine crystalline, moderately tight, dense, clean matrix.
- 10460' - 10540': Limestone; light gray brown, micro- to occasionally very fine crystalline, clean, moderately dense.
- 10540' - 10580': No Samples
- 10580' - 10680': Limestone; cream, very fine to micro-crystalline, micro-sucrosic texture, clean, moderately dense.
- 10680' - 10740': Limestone; cream, micro-crystalline, occasionally very fine crystalline, micro-sucrosic texture in part, generally dense.
- 10740' - 10840': Limestone; light gray brown to cream, micro- to crypto-crystalline, moderately clean, dense.

### Top "Sweet Spot": 10836', (10466' TVD, -3520' Subsea)

- 10840' - 10960': Limestone; light gray brown, trace to abundant oolitic/pelletal, micro-crystalline, clean, dense.
- 10960' - 11000': Limestone; light gray brown to cream, micro-crystalline, micro-sucrosic texture in part, moderately dense, tight.
- 11000' - 11040': No Samples, lost returns.
- 11040' - 11160': No Samples, no/insufficient returns.
- 11160' - 11170': Poor Sample: Limestone; light to medium gray brown, micro- to crypto-crystalline, dense.
- 11170' - 11370': No Samples, no returns.
- 11370' - 11400': Limestone; light gray brown, micro-crystalline, generally dense, clean.
- 11400' - 11520': Limestone; light gray to gray brown, cream, micro- to very fine crystalline, occasionally micro-sucrosic texture, generally dense, tight.
- 11520' - 11760': Limestone; cream to light gray brown, micro- to crypto-crystalline, occasionally very fine crystalline, moderately dense, clean.
- 11760' - 11820': No Samples; abundant glass beads.

- 11820' - 11900': Limestone; light gray brown cream, micro- to crypto-crystalline, dense, clean, tight.
- 11900' - 12000': Limestone; light gray to light gray brown, cream, micro- to occasionally very fine crystalline, micro-sucrosic in part, clean, moderately dense.
- 12000' - 12150': Limestone; light gray brown, cream, micro- to crypto-crystalline, dense, moderately clean.
- 12150' - 12230': Limestone; cream to light gray brown, micro-crystalline, occasionally very fine crystalline, trace micro-sucrosic texture, generally dense, clean matrix.

**Top "Sweet Spot", from below: 12230', (10512' TVD, -3566' Subsea)**

- 12230' - 12400': Limestone; cream to light gray, light gray brown, micro- to crypto-crystalline, occasionally very fine crystalline, predominately dense, clean matrix.
- 12400' - 12550': Limestone; cream to light gray brown, micro- to crypto-crystalline, moderately dense, clean matrix.
- 12550' - 12660': Limestone; light gray brown to cream, generally micro-crystalline, predominately dense, moderately clean matrix.
- 12660' - 12830': No returns, no samples.

**Top "Sweet Spot": 12850', (10592' TVD, -3646' Subsea)**

- 12830' - 12940': Limestone; light gray to gray brown, cream, micro- to crypto-crystalline, moderately dense, clean.
- 12940' - 12980': No returns, no samples.
- 12980' - 13080': Limestone; cream to light gray brown, generally micro-crystalline, moderately dense, clean.

**Base of Target: 13078', (10627' TVD, -3681' Subsea) Possible fault.**

- 13080' - 13167': Limestone; light gray to light gray brown, micro-crystalline, moderately dense, moderately clean.

**Driller's Total Depth: 13167'. Final TVD: 10641'**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

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

5. Lease Designation and Serial No.	N/A
6. If Indian, Alutoc or Tribe Name	NA
7. Unit Agreement Name	NA
8. Well Name and Number	UPRR 17-2H
9. API Well Number	43-043-30304
10. Field and Pool, or Wildcat	Elkhorn

1. Type of Well: OIL ( X ) GAS ( X ) OTHER: ( ) INJ. ( )

2. Name of Operator  
Union Pacific Resources Company

3. Address and Telephone Number  
P. O. Box 7 MS 29-3006-01 Fort Worth, Texas 76101-0007  
Telephone (817) 321-6739

4. Location of Well

Footages	663' FWL, 825' FSL	County	Summit
QQ, Sec., T., R., M.	(SWSW) Sec. 17, T2N-R7E	State	Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

( ) Abandonment  
( ) Casing Repair  
( ) Change of Plans  
( ) Conversion to Injection  
( ) Fracture Test  
( ) Multiple Completion  
( X ) Other: **Change of Operator**

( ) New Construction  
( ) Pull or Alter Casing  
( ) Recompletion  
( ) Shoot or Acidize  
( ) Vent or Flare  
( ) Water Shutoff

Approximate date work will start: Upon Approval

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

( ) Abandonment \*  
( ) Casing Repair  
( ) Change of Plans  
( ) Conversion to Injection  
( ) Fracture Treat  
( ) Other \_\_\_\_\_

( ) New Construction  
( ) Pull or Alter Casing  
( ) Shoot of Acidize  
( ) Vent or Flare  
( ) Water Shut-Off Shutoff

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

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

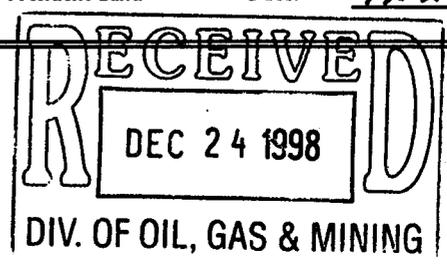
Union Pacific Resources Company has sold the captioned well to Citation Oil & Gas Corp. P. O. Box 690688, Houston, Texas 77269-0688 and requests that Citation be named Operator of Record effective January 1, 1999. Please release this well from coverage under Union Pacific Resources Company's Utah Statewide Bond #2447222.

On behalf of Union Pacific Resources Company I hereby certify that the foregoing is true and correct:  
Dorothy Moravek *D Moravek* Title: Regulatory Analyst Date 12-18-98

By execution of this document, Citation Oil & Gas Corp. requests the State of Utah to approve it as Operator of Record for the above captioned well. Citation accepts responsibility for this well under It's Utah Statewide Bond #587800.

13. On behalf of Citation Oil & Gas Corp. I hereby certify that the foregoing is true and correct:  
Robert T. Kennedy *Robert T Kennedy* Title: Vice President-Land Date: 12-22-98

(This space for State use only)  
(12/92)



## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

RON REAMES  
 UNION PACIFIC RESOURCES CO  
 PO BOX 7  
 FORT WORTH TX 76101-0007

UTAH ACCOUNT NUMBER: N9465

REPORT PERIOD (MONTH/YEAR): 12 / 98

AMENDED REPORT  (Highlight Changes)

Well Name	PI Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
							OIL(BBL)	GAS(MCF)	WATER(BBL)
PINEVIEW 4-3	4304330077	02210	02N 07E 4	TWNCR			fee (POW)		
PINEVIEW 4-4S	4304330083	02215	02N 07E 4	FRTR			fee (SOW)		
BLONQUIST 26-3	4304330235	02595	02N 06E 26	TWNCR			fee (SOW)		
NEWTON SHEEP 1	4304330284	10768	02N 07E 18	TWNCR			fee (SOW)		
UPRR 1H 19-2X (RIG SKID)	4304330300	11592	02N 07E 19	TWNCR			fee (SOW)		
JUDD 34-1H	4304330301	11607	02N 06E 34	TWNCR			fee (POW)		
IR 3-10	4304330302	11626	02N 07E 3	NGSD			fee (POW)		
UPRR 17-2H	4304330304	11647	02N 07E 17	TWNCR			fee (POW)		
UPRR 35-2H (MULTI-LEG)	4304330305	11659	02N 06E 35	TWNCR			fee (POW)		
NEWTON SHEEP 20-1H (MULTI-LEG)	4304330310	11696	02N 07E 20	TWNCR			fee (SOW)		
JUDD 4-1H	4304330311	11750	01N 06E 4	WTCYN			fee (POW)		
NEWTON SHEEP 24-1H	4304330308	11755	02N 06E 24	WTCYN			fee (SOW)	CA# WTH 74307	
BLONQUIST 26-1H	4304330314	11950	02N 06E 26	WTCYN			fee (SOW)		
<b>TOTALS</b>									

REMARKS: \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

January 27, 1999

Union Pacific Resources Company  
Attn: Dorothy Moravek  
P.O. Box 7 MS 29-3006-01  
Fort Worth, Texas 76101-0007

Re: Notification of Sale or Transfer of Fee Lease Interest

The Division has received notification of a change of operator from Union Pacific Resources Co. to Citation Oil & Gas Corporation for the following well(s) which are located on a fee lease:

<u>Well Name</u>	<u>Sec.-T.-R.</u>	<u>API Number</u>
Bingham 1-43-3	03-02N-07E	43-043-30029
Judd 34-3	34-02N-06E	43-043-30098
Judd 34-1	34-02N-06E	43-043-30061
UPRR 3-1	03-02N-07E	43-043-30012
UPRR 3-2	03-02N-07E	43-043-30015
UPRR 3-6	03-02N-07E	43-043-30036
UPRR 3-9	03-02N-07E	43-043-30151
Bingham 2-1	02-02N-07E	43-043-30026
Bingham 2-1A	02-02N-07E	43-043-30125
Bingham 2-2	02-02N-07E	43-043-30028
Bingham 2-3	02-02N-07E	43-043-30033
Bingham 2-4	02-02N-07E	43-043-30038
Bingham 10-1	10-02N-07E	43-043-30025
Pineview 4-3	04-02N-07E	43-043-30077
Pineview 4-4S	04-02N-07E	43-043-30083
Blonquist 26-3	26-02N-06E	43-043-30235
Newton Sheep 1	18-02N-07E	43-043-30284
UPRR 1H 19-2X	19-02N-07E	43-043-30300
Judd 34-1H	34-02N-06E	43-043-30301
UPRR 3-10	03-02N-07E	43-043-30302
UPRR 17-2H	17-02N-07E	43-043-30304

Page 2  
Dorothy Moravek  
Notification of Sale  
January 27, 1999

<u>Well Name</u>	<u>Sec.-T.-R.</u>	<u>API Number</u>
UPRR 35-2H	35-02N-06E	43-043-30305
Newton Sheep 20-1H	20-02N-07E	43-043-30310
Judd 4-1H	04-01N-06E	43-043-30311
Blonquist 26-1H	26-02N-06E	43-043-30314
Bingham 2-6H	02-02N-07E	43-043-30317
UPR 3-11H	03-02N-07E	43-043-30318
Blonquist 26-4	26-02N-06E	43-043-30268
UPRC 33-1	33-02N-06E	43-043-30233
Clark 4-1	04-02N-07E	43-043-30071
UPRC 1	17-02N-07E	43-043-30290
B.A. Bingham & Sons 1	02-02N-07E	43-043-30295

Utah Administrative Rule R649-2-10 states; the owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Union Pacific Resources Co. of its responsibility to notify all individuals with an interest in this lease (royalty interest and working interest) of the change of operator. Please provide written documentation of this notification to:

Utah Royalty Owners Association  
Box 1292  
Roosevelt, Utah 84066

Page 3  
Dorothy Moravek  
Notification of Sale  
January 27, 1999

Your assistance in this matter is appreciated.

Sincerely,

*Kristen D. Risbeck*

Kristen D. Risbeck

cc: Citation Oil & Gas Corporation  
Utah Royalty Owners Association, Kent Stringham  
John R. Baza, Associate Director  
Operator File(s)

# OPERATOR CHANGE WORKSHEET

1-KDR ✓	6-KAS ✓
2-GLH ✓	7-SJ ✓
3-JRB ✓	8-FILE ✓
4-CDW ✓	
5-KDR ✓	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 1-1-99

<b>TO:</b> (new operator)	<u>CITATION OIL &amp; GAS CORP</u>	<b>FROM:</b> (old operator)	<u>UNION PACIFIC RESOURCES CO</u>
(address)	<u>P.O. BOX 690688</u>	(address)	<u>P.O. BOX 7 MS 29-3006-01</u>
	<u>HOUSTON, TX 77269-0688</u>		<u>FORT WORTH, TX 76101-0007</u>
	<u>RUTH ANN ALFORD</u>		<u>DOROTHY MORAVEK</u>
	Phone: <u>(281) 469-9664</u>		Phone: <u>(817) 321-6739</u>
	Account no. <u>N0265</u>		Account no. <u>N9465</u>

**WELL(S)** attach additional page if needed:

Name: <u>*SEE ATTACHED*</u>	API: <u>43-043130304</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- WDR 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12.24.98)*
- WDR 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 12.24.98)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- N/A 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- WDR 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(3.11.99)*
- WDR 6. Cardex file has been updated for each well listed above.
- N/A 7. Well file labels have been updated for each well listed above. *(New filing system)*
- WDR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(3.11.99)*
- WDR 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- WDR 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) NO If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- WDR 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- WDR 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.  
(rec'd 2.11.99 Bond # RSB-670565)
- WDR 2. A copy of this form has been placed in the new and former operator's bond files.
- WDR 3. The FORMER operator has requested a release of liability from their bond (yes/no) Yes, as of today's date \_\_\_\_\_ . If yes, division response was made to this request by letter dated 3.10.99.

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A 1. Copies of documents have been sent on \_\_\_\_\_ to \_\_\_\_\_ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- WDR 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 1.27.99 19 \_\_, of their responsibility to notify all interest owners of this change.

**FILMING**

- VS 1. All attachments to this form have been microfilmed. Today's date: 5.12.99.

**FILING**

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

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March 29, 1999

Kristen Risbeck  
State of Utah  
P O Box 145801  
Salt Lake City, Utah 84114-5801

Re: Transfer of Authority to Inject

Dear Ms. Risbeck:

Enclosed please find an original and one copy of the form 5 to transfer the following wells into Citation Oil & Gas Corp.'s name.

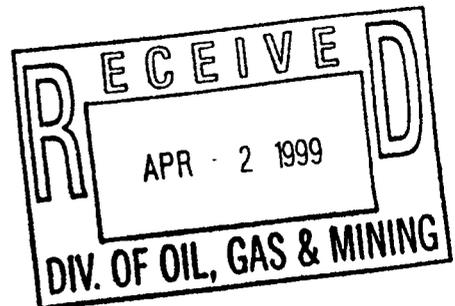
UPRC 33-1 SWD	43-043-30233
Blonquist 26-4 SWD	43-043-30268
Clark 4-1 SWD	43-043-30071
Exxon UPRC #1 SWD	43-043-30290
B. A. Bingham & Sons Inc. #1	43-043-30295

If you have any questions regarding this form, please contact the undersigned at 281-469-9664.  
Thank you.

Sincerely,

Sharon Ward  
Regulatory Administrator

Cc: Dorothy Moravek  
UPRC



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input type="checkbox"/>	5. Lease Designation and Serial Number: <b>Fee</b>
2. Name of Operator <b>Citation Oil &amp; Gas Corp.</b>	6. If Indian, Allottee or Tribe Name: <b>N/A</b>
3. Address and Telephone Number: <b>P.O. Box 690688, Houston, Texas 77269-0688 (281) 517-7194</b>	7. Unit Agreement Name: <b>N/A</b>
4. Location of Well Footages: <b>825' FSL &amp; 663' FWL</b> QQ, Sec., T., R., M.: <b>SW SW; Sec. 17, T2N, R7E</b>	8. Well Name and Number: <b>UPRC #17-2H</b>
	9. API Well Number: <b>43-043-30304</b>
	10. Field and Pool, or Wildcat: <b>Elkhorn (Watton Canyon)</b>
	County: <b>Summit</b> State: <b>Utah</b>

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

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

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment*                                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                                 | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                               | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat                                | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of well status</u> |   |

Date of work completion 7/18/2001

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form

\* Must be accompanied by a cement verification report.

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

**This well was shut in on 10/2/99. It has been reactivated 7/18/2001.**

**RECEIVED**

AUG 23 2001

DIVISION OF  
OIL, GAS AND MINING

13. Name & Signature: *Debra Harris*    **Debra Harris** Title: Prod./Regulatory Coord. Date: 8/23/2001

(This space for State use only)

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: Citation Oil and Gas Corp.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: P.O. Box 690688 CITY Houston STATE TX ZIP 77269			7. UNIT or CA AGREEMENT NAME: Elkhorn Watton Canyon
4. LOCATION OF WELL FOOTAGES AT SURFACE: 825' FSL & 663' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 17 2N 7E			8. WELL NAME and NUMBER: Elkhorn Watton Canyon Unit 17-2H
			9. API NUMBER: 43-043-30304
			10. FIELD AND POOL, OR WILDCAT: Twin Creek Watton Canyon Field
			COUNTY: SUMMIT
			STATE: UTAH

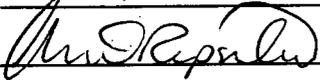
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

Per Docket No. 2003-007, Cause #252-01, Citation Oil and Gas Corp. has recieved approval to establish the Elkhorn Watton Canyon Unit. All wells covered under this agreement will now be called the Elkhorn Watton Canyon Unit.

UPRC #17-2H will now be known as Elkhorn Watton Canyon Unit 17-2H

NAME (PLEASE PRINT) <u>Christi Rapsilver</u>	TITLE <u>Production File Clerk</u>
SIGNATURE <u></u>	DATE <u>8/27/2003</u>

(This space for State use only)

RECEIVED

AUG 29 2003

DIV. OF OIL, GAS & MIN.

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: Citation Oil and Gas Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: P.O. Box 690688 CITY Houston STATE TX ZIP 77269		7. UNIT or CA AGREEMENT NAME: Elkhorn Watton Canyon
4. LOCATION OF WELL FOOTAGES AT SURFACE: 825' FSL & 663' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 17 2N 7E		8. WELL NAME and NUMBER: Elkhorn Watton Canyon Unit 17-2H
PHONE NUMBER: (281) 517-7800		9. API NUMBER: 43-043-30304
		10. FIELD AND POOL, OR WILDCAT: Twin Creek Watton Canyon Field
		COUNTY: SUMMIT
		STATE: UTAH

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

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

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

Citation plans to reactivate Elkhorn Watton Canyon Unit 17-2H in 2003.

COPY SENT TO OPERATOR  
Date: 9-5-03  
Initials: CHD

NAME (PLEASE PRINT) <u>Christi Rapsilver</u>	TITLE <u>Production File Clerk</u>
SIGNATURE <u><i>Christi Rapsilver</i></u>	DATE <u>9/2/2003</u>

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 9/5/2003  
BY: *Christi Rapsilver*  
(See Instructions on Reverse Side)

RECEIVED  
SEP 04 2003  
DIV. OF OIL, GAS & MINING

# CITATION OIL AND GAS CORPORATION WELLBORE DIAGRAM AND INFORMATION

**Well Name:** UPRR #17-2H      **Field:** UPRC Elkhorn  
**Date:** December 17, 2002      **Location:** SW/SW Sec. 17, T2N, R7E  
**County:** Summit      **State:** Utah



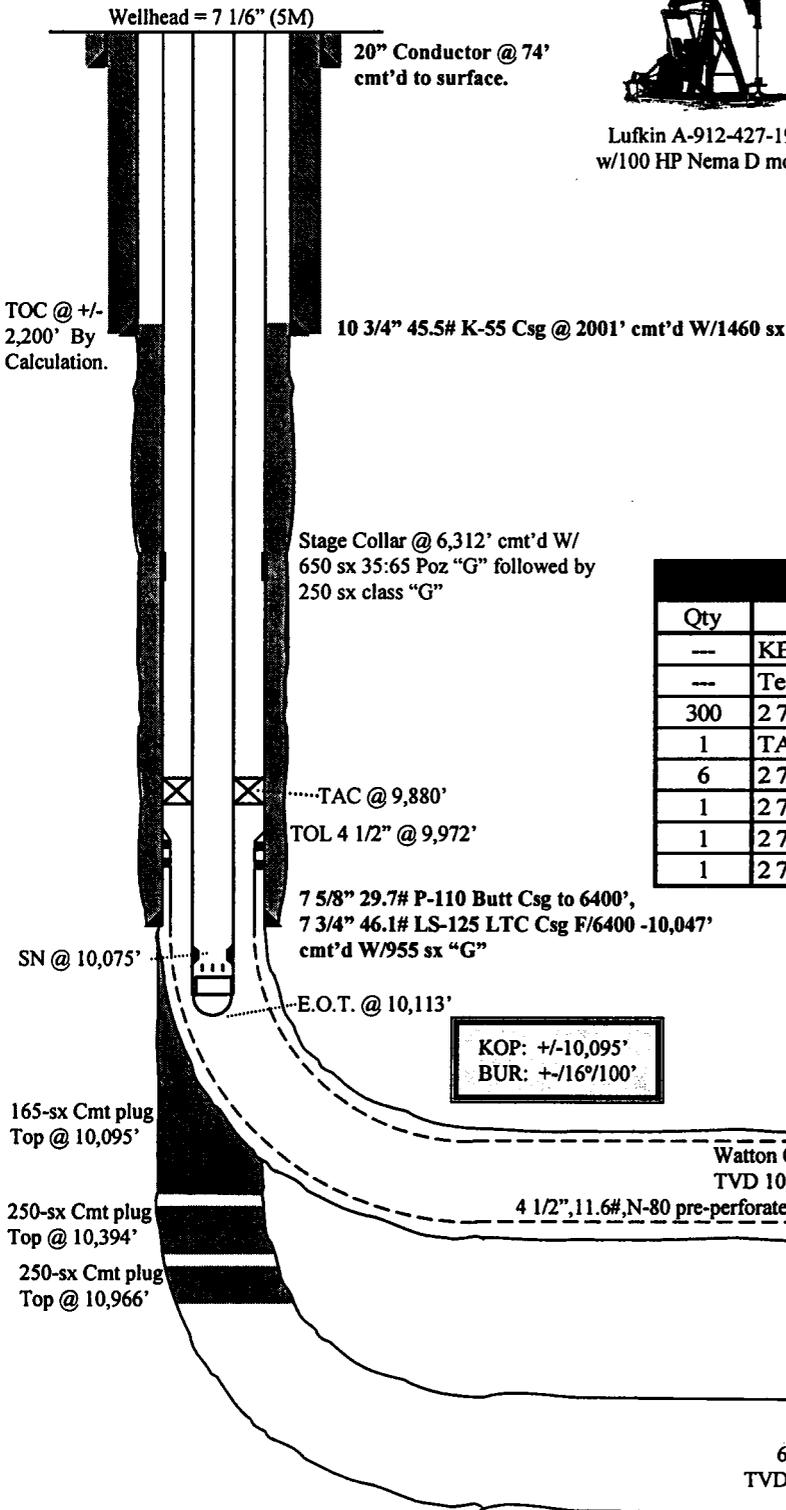
Lufkin A-912-427-192  
w/100 HP Nema D motor

**Surface:** 825' FSL & 663' FWL  
 Sec. 17, T2N, R7E  
 Summit County, UT  
**BHL:** 2866' FSL & 2854' FWL  
 Sec. 17, T2N, R7E  
**Completed:** March 1995  
**Elevation:** 6,924'  
**KB:** 24'  
**API #:** 43-043-30304

ROD DETAIL			
Qty	Size	Type	Length
160	1 1/4"	F.G.	6,000
160	1"	"D"	4,000
Shear tool 1 rod above pump, 48-1" & 64-1 1/4 w/RG			
Polish Rod: 1 1/2" x 30'			
Pony Rods:			
Pump: 2 1/2" x 1 1/4" x 30' x 31' x 34' RHBC W/RV			

TUBING DETAIL			
Qty	Description	Length	Depth
---	KB	24	24.00
---	Tension	2.67	26.67
300	2 7/8", 6.5 ppf, L-80 tbg	9,853.63	9,880.30
1	TAC (2 7/8" x 7 3/4")	2.35	9,882.65
6	2 7/8", 6.5 ppf, L-80 tbg	192.60	10,075.25
1	2 7/8" cup-type SN	1.10	10,076.35
1	2 7/8" perforated sub	3.10	10,079.45
1	2 7/8" MA	33.75	10,113.20

CASING DETAIL			
Size	Weight	Grade	Depth
10 3/4"	45.5	K-55	Surf - 2001
7 5/8"	29.7	P-110	Surf - 6400
7 3/4"	46.1	LS-125	6400 - 10047
4 1/2"	11.6	N-80	9972 - 13167



KOP: +/-10,095'  
BUR: +/-16"/100'

13,167' MD  
VS = 2,994'

OH inflatable CTC  
Payzone P&A PKR  
set @ 10,302' W/cmt  
on top of it. TOC @ 13,129'.

15,025' MD  
VS = 4,747'

Well File  
43-043-30304



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

January 22, 2004

CERTIFIED MAIL # 7002 0510 0003 8602 4781

Sharon Ward  
Citation Oil & Gas Corp.  
P.O. Box 690688  
Houston, TX 77269-0688

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Ms. Ward:

Citation Oil & Gas Corp., as of January 2004, has two (2) State Lease Wells and fifteen (15) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Page 2  
January 22, 2004  
Sharon Ward

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
Well File  
Sitla

	<b>Well Name</b>	<b>API</b>	<b>Lease Type</b>	<b>Years Inactive</b>
1	Walker Hollow U 58	43-047-30912	State	7 Years 7 Months
2	Walker Hollow 44	43-047-30688	State	10 Years 7 Months
1	Elkhorn Watton Cyn U 17-2H	43-043-30304	Fee	2 Years 2 Months
2	UPRR 35-2H	43-043-30305	Fee	4 Years 6 Months
3	Bingham 10-1	43-043-30025	Fee	5 Years 7 Months
4	UPRC 3-11H	43-043-30318	Fee	5 Years 8 Months
5	Blonquist 26-1H	43-043-30314	Fee	6 Years 4 Months
6	Blonquist 26-3	43-043-30235	Fee	6 Years 4 Months
7	Bingham 2-2	43-043-30028	Fee	6 Years 7 Months
8	Elkhorn Watton Cyn U 19-2X	43-043-30300	Fee	6 Years 8 Months
9	Elkhorn Watton Cyn U 18-1	43-043-30284	Fee	7 Years 4 Months
10	Bingham 2-4	43-043-30038	Fee	7 Years 8 Months
11	Bingham 2-3	43-043-30033	Fee	10 Years 7 Months
12	UPRR 3-1	43-043-30012	Fee	10 Years 8 Months
13	Judd 34-1	43-043-30061	Fee	10 Years 9 Months
14	Judd 34-3	43-043-30098	Fee	10 Years 9 Months
15	Pineview 4-4S	43-043-30083	Fee	10 Years 9 Months

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input type="checkbox"/>	5. Lease Designation and Serial Number: <b>FEE</b>
2. Name of Operator <b>Citation Oil &amp; Gas Corp.</b>	6. If Indian, Allottee or Tribe Name: 
3. Address and Telephone Number: <b>P O Box 690688, Houston, Texas 77269 (281) 517-7800</b>	7. Unit Agreement Name: <b>Elkhorn Watton Canyon</b>
4. Location of Well Footages: <b>825'FSL &amp; 663' FWL</b> QQ, Sec., T., R., M.: <b>SW SW Section 17-T2N - R7E</b>	8. Well Name and Number: <b>Elkhorn Watton Canyon 17-2H</b>
	9. API Well Number: <b>43-043-30304</b>
	10. Field and Pool, or Wildcat: <b>Elkhorn Field</b>
	County: <b>Summit</b> State: <b>Utah</b>

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

NOTICE OF INTENT <small>(Submit in Duplicate)</small>	SUBSEQUENT REPORT <small>(Submit Original Form Only)</small>
<input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment* <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other <u>Hold for use in Elkhorn Watton Canyon Field</u>
Approximate date work will start _____	Date of work completion _____  Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form  * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)  
**Citation requests permission to retain this wellbore in a shut-in status. Citation is currently evaluating the waterflood at the Elkhorn Field. This well has not be re-activated because we have not seen a response from the water injection in the field as of yet. The reactivation of this well will be based on the results of the current study taking place in the field. The field personnel could not get to this well to get the casing/tubing/casing annulus pressures or fluid level due to the weather.**

**THIS SUNDRY IS BEING RETURNED; INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION (see attached letter).**

*[Signature]* April 5, 2004  
Utah Division of Oil, Gas and Mining

13. Name & Signature: Sharon Ward      Sharon Ward      Title: Regulatory Administrator      Date: 2/18/04

(This space for State use only)

(12/92)

COPY SENT TO OPERATOR  
 Date: 04-08-04  
 Initials: CHO

(See Instructions on Reverse Side)

RECEIVED  
 MAR 01 2004  
 DIV. OF OIL, GAS & MINING

## Well History Summary

Well: Elkhorn Field, UPRR #17-2H

Surface Location: 825' FSL & 663' FWL, SW SW, Section 17, T-2-N, R-7-E  
Summit County, Utah

Bottom Hole Location: 874' FSL & 1041' FWL, Section 17, T-2-N, R-7-E  
Summit County, Utah (at producing interval)

2866' FSL & 2854' FWL, Section 17, T-2-N, R-7-E  
Summit County, Utah (at TD)

API#: 43-043-30304

Elevations: 6,924' GL  
6,948' KB

TVD: 10,641' (3/95)  
MD: 13,167' (3/95)

Casing:

- 20" conductor @ 74'
- 10 3/4", 45.5#, K-55 @ 2001' (14 3/4" Hole) cmt'd W/1460 sx  
surface csg topped off W/110 sx
- 7 5/8", 29.7#, P-110, Butt (to 6400'), over 7 3/4", 46.1#, LS-125, LTC (6400 -10,047') (9  
7/8" Hole) cmt'd W/955 sx
- DV Tool @ 6312' cmt'd W/900 sx
- 4 1/2", 11.6#, N-80, LTC Liner F/9972 - 13167' (pre-perforated @ 1 hole/ft @ 180  
degree phasing) (6 1/2" hole) (3/95)

Tubing: 307 jts, 2 7/8", 6.5#, L-80, EUE, 8rd

Initial Completion: 7/94 Drill 6 1/2" horizontal hole to 15,025' (Rich formation). RIH W/4 1/2", 11.6#,  
N-80, LTC Liner F/9952 - 14,995' (pre-perforated @ 1 hole/ft @ 180 degree  
phasing). RIH W/ESP equip.

Initial Potential: 306 BOPD + 201 MCFPD + 652 BWPD (Watton Canyon - 3/95)

Logs Available: Formation Analysis Log, Formation Microscanner Log, Temperature Log, &  
MWD-GR

History Updated: 12/17/02

Well Status: SI Watton Canyon Producer

Perforations: Perf'd Liner In OH Watton Canyon horizontal section of well (1 hole/ft - 3/95)

Workovers & Other History:

- 12/94 POOH W/4 1/2" liner. CO lateral to 13,475'. Set OH inflatable PKR @ 13,302'. Shear off PKR & dump cmt on top of it. TOC @ 13,129'. RIH W/ESP equip. (\$301,000)
- 2 - 3/95 POOH W/ESP equip. RIH & pump a 250 sx cmt plug F/10,966 - 12,004'. PUH & pump another 250 sx cmt plug. TOC plug #2 @ 10,394'. PUH & pump a 3rd 165 sx cmt plug. TOC plug #3 @ 10,095'. Drill 6 1/2" OH later in Watton Canyon formation to a TD @ 13,167'. RIH W/4 1/2", 11.6#, N-80, LTC Liner F/9972 - 13167' (pre-perforated @ 1 hole/ft @ 180 degree phasing) (6 1/2" hole). RIH W/ESP equip. RTP well. (\$?)
- 7/97 ESP equip failure. Convert lift from ESP to rod pump.
- 9/99 PC. Well quit producing due to insufficient flow at the designated pump setting depth. Well SI as uneconomic to produce. (\$8,936)
- 8/01 Well RTP'd as an intermittent producer.

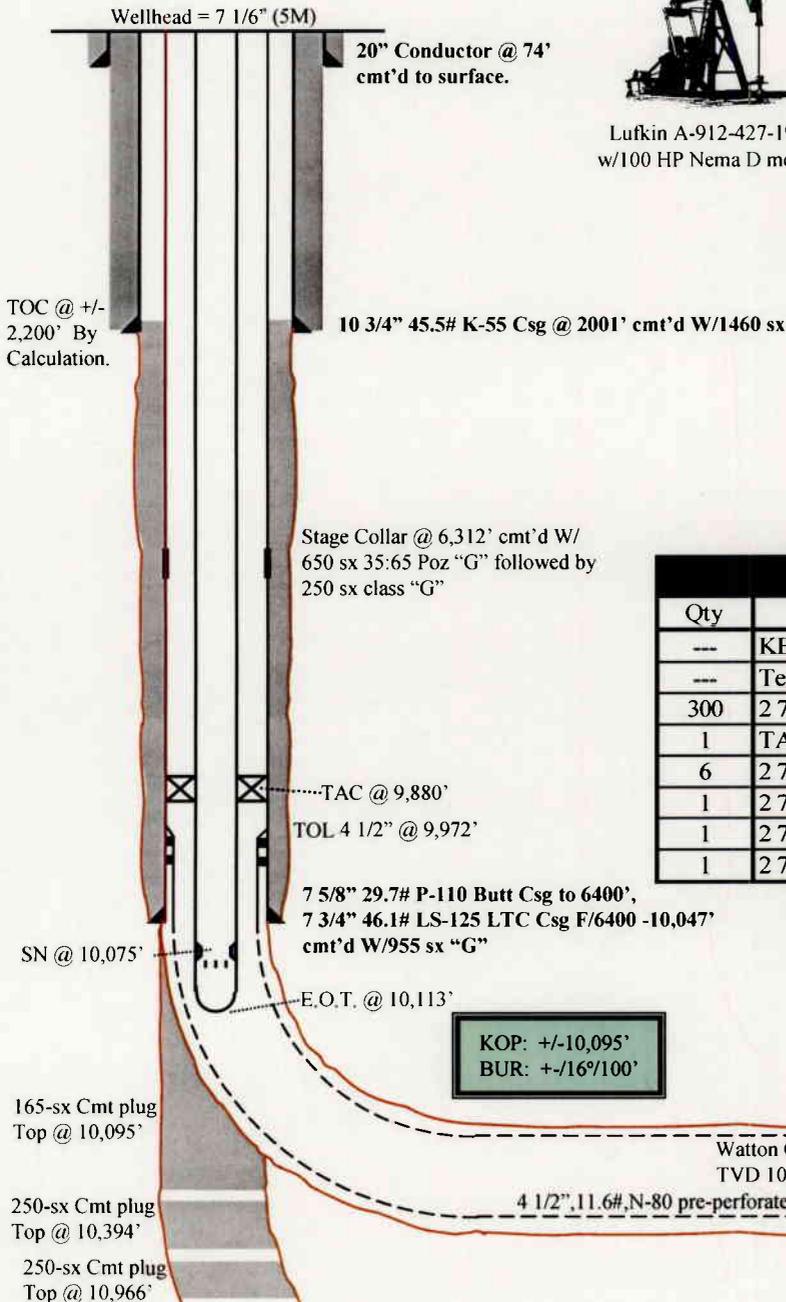
# CITATION OIL AND GAS CORPORATION WELLBORE DIAGRAM AND INFORMATION

**Well Name:** UPRR #17-2H      **Field:** UPRC Elkhorn  
**Date:** December 17, 2002      **Location:** SW/SW Sec. 17, T2N, R7E  
**County:** Summit      **State:** Utah



Lufkin A-912-427-192  
w/100 HP Nema D motor

**Surface:** 825' FSL & 663' FWL  
 Sec. 17, T2N, R7E  
 Summit County, UT  
**BHL:** 2866' FSL & 2854' FWL  
 Sec. 17, T2N, R7E  
**Completed:** March 1995  
**Elevation:** 6,924'  
**KB:** 24'  
**API #:** 43-043-30304



KOP: +/-10,095'  
BUR: +/-16"/100'

ROD DETAIL			
Qty	Size	Type	Length
160	1 1/4"	F.G.	6,000
160	1"	"D"	4,000
Shear tool 1 rod above pump, 48-1" & 64-1 1/4 w/RG			
Polish Rod: 1 1/2" x 30'			
Pony Rods:			
Pump: 2 1/2" x 1 1/4" x 30' x 31' x 34' RHBC W/RV			

TUBING DETAIL			
Qty	Description	Length	Depth
---	KB	24	24.00
---	Tension	2.67	26.67
300	2 7/8", 6.5 ppf, L-80 tbg	9,853.63	9,880.30
1	TAC (2 7/8" x 7 3/4")	2.35	9,882.65
6	2 7/8", 6.5 ppf, L-80 tbg	192.60	10,075.25
1	2 7/8" cup-type SN	1.10	10,076.35
1	2 7/8" perforated sub	3.10	10,079.45
1	2 7/8" MA	33.75	10,113.20

CASING DETAIL			
Size	Weight	Grade	Depth
10 3/4"	45.5	K-55	Surf - 2001
7 5/8"	29.7	P-110	Surf - 6400
7 3/4"	46.1	LS-125	6400 - 10047
4 1/2"	11.6	N-80	9972 - 13167

13,167' MD  
VS = 2,994'

OH inflatable CTC  
Payzone P&A PKR  
set @ 10,302' W/cmt  
on top of it, TOC @ 13,129'.

15,025' MD  
VS = 4,747'



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

April 7, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 6396

Ms. Sharon Ward  
Citation Oil & Gas Corporation  
P.O. Box 690688  
Houston, Texas 77269-0688

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated January 22, 2004.

Dear Ms. Ward:

This correspondence is in response to your seventeen (17) sundries dated February 11 and February 18, 2004 received by the Division on March 1, 2004. The Division of Oil, Gas and Mining is returning those sundries for lack of sufficient data to approve extended shut-in status.

The submitted sundries did not state the expected length of time to be SI/TA (R649-3-36-1.2) or give an explanation as to how the submitted information proved the well(s) had integrity (R649-3-36-1.3).

For reference, Attachment A lists the wells subject to the request. If you have any question or need additional assistance in regards to this matter please contact me at (801) 538-5281.

Sincerely,

Dustin Doucet  
Petroleum Engineer

jc

	<b>Well Name</b>	<b>API</b>	<b>Lease Type</b>	<b>Years Inactive</b>
1	Walker Hollow U 58	43-047-30912	State	7 Years 7 Months
2	Walker Hollow 44	43-047-30688	State	10 Years 7 Months
1	Elkhorn Watton Cyn U 17-2H	43-043-30304	Fee	2 Years 2 Months
2	UPRR 35-2H	43-043-30305	Fee	4 Years 6 Months
3	Bingham 10-1	43-043-30025	Fee	5 Years 7 Months
4	UPRC 3-11H	43-043-30318	Fee	5 Years 8 Months
5	Blonquist 26-1H	43-043-30314	Fee	6 Years 4 Months
6	Blonquist 26-3	43-043-30235	Fee	6 Years 4 Months
7	Bingham 2-2	43-043-30028	Fee	6 Years 7 Months
8	Elkhorn Watton Cyn U 19-2X	43-043-30300	Fee	6 Years 8 Months
9	Elkhorn Watton Cyn U 18-1	43-043-30284	Fee	7 Years 4 Months
10	Bingham 2-4	43-043-30038	Fee	7 Years 8 Months
11	Bingham 2-3	43-043-30033	Fee	10 Years 7 Months
12	UPRR 3-1	43-043-30012	Fee	10 Years 8 Months
13	Judd 34-1	43-043-30061	Fee	10 Years 9 Months
14	Judd 34-3	43-043-30098	Fee	10 Years 9 Months
15	Pineview 4-4S	43-043-30083	Fee	10 Years 9 Months

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input type="checkbox"/>	5. Lease Designation and Serial Number: <b>FEE</b>
2. Name of Operator <b>Citation Oil &amp; Gas Corp.</b>	6. If Indian, Allottee or Tribe Name: <b>Elkhorn Watton Canyon</b>
3. Address and Telephone Number: <b>P O Box 690688, Houston, Texas 77269 (281) 517-7800</b>	7. Unit Agreement Name: <b>Elkhorn Watton Canyon</b>
4. Location of Well Footages: <b>825'FSL &amp; 663' FWL</b> QQ, Sec., T., R., M.: <b>SW SW Section 17-T2N - R7E</b>	8. Well Name and Number: <b>Elkhorn Watton Canyon 17-2H</b>
	9. API Well Number: <b>43-043-30304</b>
	10. Field and Pool, or Wildcat: <b>Elkhorn Field</b>
	County: <b>Summit</b> State: <b>Utah</b>

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment* <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other <u>Hold for use in Elkhorn Watton Canyon Field</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form
	* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)  
**Citation Oil & Gas Corp. requests approval to retain this wellbore in a shut-in status. We are currently evaluating the Elkhorn Watton Canyon Unit waterflood and waiting a response to injection in the field in order to possibly reactivate this well. Fluid level in this wellbore is below the tubing anchor which is set at 9880'.**

COPY SENT TO OPERATOR  
 Date: 7-27-04  
 Initials: CHO

13. Name & Signature: Debra Harris Title: Prod/Reg Coordinator Date: 6/8/2004

(This space for State use only)  
 (12/92) APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
 DATE: 7/26/04  
 BY: [Signature]  
 \*See attached letter dated 7/26/04

(See Instructions on Reverse Side)

RECEIVED  
 JUN 10 2004  
 DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial Number:  
**FEE**

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:  
**Elkhorn Watton Canyon**

8. Well Name and Number:  
**Elkhorn Watton Canyon 17-2H**

1. Type of Well:  
OIL  GAS  OTHER:

2. Name of Operator  
**Citation Oil & Gas Corp.**

9. API Well Number:  
**43-043-30304**

3. Address and Telephone Number:  
**P O Box 690688, Houston, Texas 77269 (281) 517-7800**

10. Field and Pool, or Wildcat:  
**Elkhorn Field**

4. Location of Well  
Footages: **825'FSL & 663' FWL**  
QQ, Sec., T., R., M.: **SW SW Section 17-T2N - R7E**

County: **Summit**  
State: **Utah**

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

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

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandonment*   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair  | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans  | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection                                  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other <u>Hold for use in Elkhorn Watton Canyon Field</u> |   |

Date of work completion \_\_\_\_\_

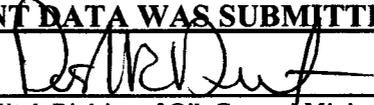
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form

\* Must be accompanied by a cement verification report.

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

**Citation requests permission to retain this wellbore in a shut-in status. Citation is currently evaluating the waterflood at the Elkhorn Field. This well has not be re-activated because we have not seen a response from the water injection in the field as of yet. The reactivation of this well will be based on the results of the current study taking place in the field. The field personnel could not get to this well to get the casing/tubing/casing annulus pressures or fluid level due to the weather.**

**THIS SUNDRY IS BEING RETURNED; INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION (see attached letter).**

  
Utah Division of Oil, Gas and Mining April 5, 2004

13. Name & Signature: Sharon Ward Title: Regulatory Administrator Date: 2/18/04

(This space for State use only)

(12192)

(See Instructions on Reverse Side)

**RECEIVED**  
**MAR 01 2004**  
DIV. OF OIL, GAS & MINING

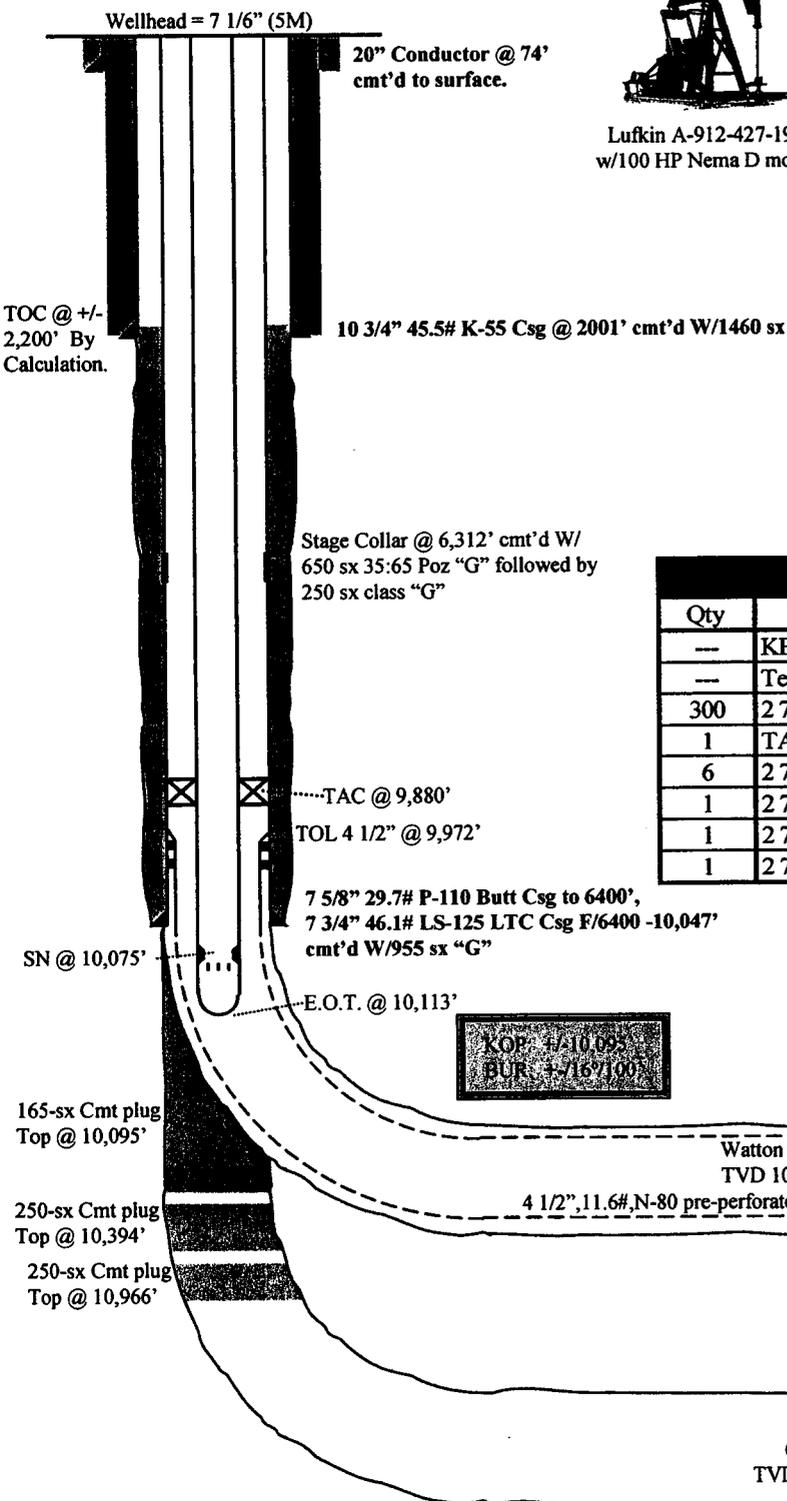
# CITATION OIL AND GAS CORPORATION WELLBORE DIAGRAM AND INFORMATION

**Well Name:** UPRR #17-2H      **Field:** UPRC Elkhorn  
**Date:** December 17, 2002      **Location:** SW/SW Sec. 17, T2N, R7E  
**County:** Summit      **State:** Utah



Lufkin A-912-427-192  
w/100 HP Nema D motor

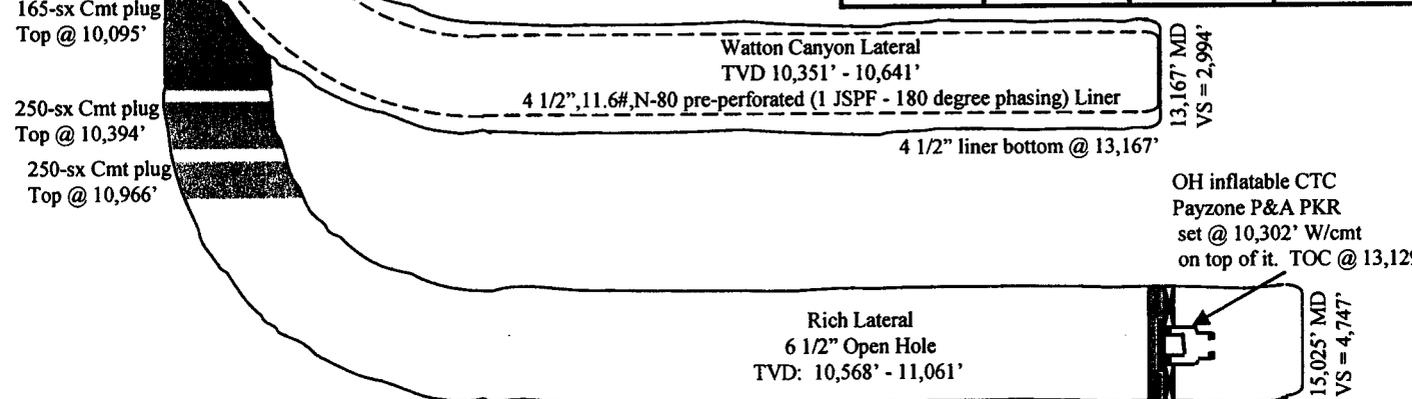
<b>Surface:</b>	825' FSL & 663' FWL Sec. 17, T2N, R7E Summit County, UT
<b>BHL:</b>	2866' FSL & 2854' FWL Sec. 17, T2N, R7E
<b>Completed:</b>	March 1995
<b>Elevation:</b>	6,924'
<b>KB:</b>	24'
<b>API #:</b>	43-043-30304



ROD DETAIL			
Qty	Size	Type	Length
160	1 1/4"	F.G.	6,000
160	1"	"D"	4,000
Shear tool 1 rod above pump, 48-1" & 64-1 1/4 w/RG			
Polish Rod: 1 1/2" x 30'			
Pony Rods:			
Pump: 2 1/2" x 1 1/4" x 30' x 31' x 34' RHBC W/RV			

TUBING DETAIL			
Qty	Description	Length	Depth
—	KB	24	24.00
—	Tension	2.67	26.67
300	2 7/8", 6.5 ppf, L-80 tbg	9,853.63	9,880.30
1	TAC (2 7/8" x 7 3/4")	2.35	9,882.65
6	2 7/8", 6.5 ppf, L-80 tbg	192.60	10,075.25
1	2 7/8" cup-type SN	1.10	10,076.35
1	2 7/8" perforated sub	3.10	10,079.45
1	2 7/8" MA	33.75	10,113.20

CASING DETAIL			
Size	Weight	Grade	Depth
10 3/4"	45.5	K-55	Surf - 2001
7 5/8"	29.7	P-110	Surf - 6400
7 3/4"	46.1	LS-125	6400 - 10047
4 1/2"	11.6	N-80	9972 - 13167



OH inflatable CTC  
Payzone P&A PKR  
set @ 10,302' W/cmt  
on top of it. TOC @ 13,129'.

Rich Lateral  
6 1/2" Open Hole  
TVD: 10,568' - 11,061'

15,025' MD  
VS = 4,747'



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

July 21, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 5221

Ms. Debra Harris  
Citation Oil & Gas Corporation  
P.O. Box 690688  
Houston, Texas 77269-0688

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated January 22, 2004.

Dear Ms. Harris:

This correspondence is in response to Citation Oil & Gas Corporation's ("Citation") seventeen (17) sundries with various dates between June 8 and July 18, 2004. It is the Division of Oil, Gas and Mining's (the "Division") understanding that Citation intends to plug four (4) wells this year and requests extended shut-in/temporary abandonment for the remaining thirteen (13) wells as various water floods involving these wells are currently under evaluation regarding economics, polymer treatment, conversion to injectors, and possible expansion.

Based on the proposed plan to plug and abandon the Bingham 2-3, Pineview 4-4S, Blonquist 26-1H and Judd 34-1, and submitted information for the other thirteen (13) wells the Division grants all seventeen (17) wells shut-in/temporary abandonment extensions, with the condition the wells are placed at a minimum on quarterly monitoring and documenting of pressures and fluid levels. The documented information for these wells should be submitted to the Division at the end of the year for review. However, if pressures or fluid levels change significantly during the year please inform the Division immediately. Corrective action may be necessary. These extensions are valid through June 8, 2005, allowing adequate time to complete the proposed work. The approved sundries are enclosed with this letter.

Page 2  
Ms. Debra Harris  
July 21, 2004

For reference, Attachment A lists the wells subject to the request. If you have any question or need additional assistance in regards to this matter please contact me at (801) 538-5281.

Sincerely,

A handwritten signature in black ink, appearing to read "Dustin Doucet". The signature is written in a cursive, somewhat stylized font.

Dustin Doucet  
Petroleum Engineer

CLD:jc  
Enclosures

cc: Well file  
SITLA

	<b>Well Name</b>	<b>API</b>	<b>Lease Type</b>	<b>Years Inactive</b>
1	Walker Hollow U 58	43-047-30912	State	7 Years 7 Months
2	Walker Hollow 44	43-047-30688	State	10 Years 7 Months
1	Elkhorn Watton Cyn U 17-2H	43-043-30304	Fee	2 Years 2 Months
2	UPRR 35-2H	43-043-30305	Fee	4 Years 6 Months
3	Bingham 10-1	43-043-30025	Fee	5 Years 7 Months
4	UPRC 3-11H	43-043-30318	Fee	5 Years 8 Months
5	Blonquist 26-1H	43-043-30314	Fee	6 Years 4 Months
6	Blonquist 26-3	43-043-30235	Fee	6 Years 4 Months
7	Bingham 2-2	43-043-30028	Fee	6 Years 7 Months
8	Elkhorn Watton Cyn U 19-2X	43-043-30300	Fee	6 Years 8 Months
9	Elkhorn Watton Cyn U 18-1	43-043-30284	Fee	7 Years 4 Months
10	Bingham 2-4	43-043-30038	Fee	7 Years 8 Months
11	Bingham 2-3	43-043-30033	Fee	10 Years 7 Months
12	UPRR 3-1	43-043-30012	Fee	10 Years 8 Months
13	Judd 34-1	43-043-30061	Fee	10 Years 9 Months
14	Judd 34-3	43-043-30098	Fee	10 Years 9 Months
15	Pineview 4-4S	43-043-30083	Fee	10 Years 9 Months

Attachment A

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: <b>FEE</b>
2. Name of Operator <b>Citation Oil &amp; Gas Corp.</b>	6. If Indian, Allottee or Tribe Name: <b>Elkhorn Watton Canyon</b>
3. Address and Telephone Number: <b>P O Box 690688, Houston, Texas 77269 (281) 517-7800</b>	7. Unit Agreement Name: <b>Elkhorn Watton Canyon</b>
4. Location of Well Footages: <b>825'FSL &amp; 663' FWL</b> QQ, Sec, T., R., M.: <b>SW SW Section 17-T2N - R7E</b>	8. Well Name and Number: <b>Elkhorn Watton Canyon 17-2H</b>
	9. API Well Number: <b>43-043-30304</b>
	10. Field and Pool, or Wildcat: <b>Elkhorn Field</b>
	County: <b>Summit</b> State: <b>Utah</b>

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment* <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other <u>Hold for use in Elkhorn Watton Canyon Field</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form
	* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)  
**Citation requests permission to retain this wellbore in a shut-in status. Citation is currently evaluating the waterflood at the Elkhorn Field. This well was reactivated 7/13/04. Fluid level in this wellbore is 7275' from the surface.**

In accordance with R649-3-36, the well may remain shut-in or temporarily abandoned for up to 12 consecutive months without approval.

APPROVED BY: *D. K. [Signature]* December 5, 2005  
Utah Division of Oil, Gas and Mining

13. Name & Signature: *Bridget Lisenbe* **Bridget Lisenbe** Title: Regulatory Assistant Date: 6/20/05

(This space for State use only)  
(12192)  
COPY SENT TO OPERATOR  
Date: 12-7-05  
Initials: CLD

(See Instructions on Reverse Side)

RECEIVED  
JUN 23 2005  
DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
2. NAME OF OPERATOR: <b>Citation Oil &amp; Gas Corp.</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P O Box 690688 CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77269</b>		7. UNIT or CA AGREEMENT NAME: <b>Elkhorn Watton Canyon Unit</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>825 FSL &amp; 663 FWL</b>		8. WELL NAME and NUMBER: <b>Elkhorn Watton Canyon Un 17-2H</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 17 2N 7E</b>		9. API NUMBER: <b>4304330304</b>
COUNTY: <b>Summit</b>		10. FIELD AND POOL, OR WLD CAT: <b>Elkhorn (Watton Canyon)</b>
STATE: <b>UTAH</b>		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

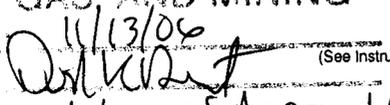
Citation Oil & Gas Corp. proposes to plug and abandon the Elkhorn Watton Canyon 17-2H (formerly UPRR 17-2H) with the attached procedure.

COPY SENT TO OPERATOR  
Date: 11/14/06  
Initials: RM

NAME (PLEASE PRINT) <u>Sharon Ward</u>	TITLE <u>Permitting Manager</u>
SIGNATURE <u>Sharon Ward</u>	DATE <u>8/14/2006</u>

(This space for State use only)

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

DATE 11/13/06  
  
 (See Instructions on Reverse Side)

\* See Conditions of Approval (Attached)

**RECEIVED**  
**AUG 17 2006**  
DIV. OF OIL, GAS & MINING

**PROPOSED PLUGGING PROCEDURE FOR  
CITATION OIL & GAS CORP**



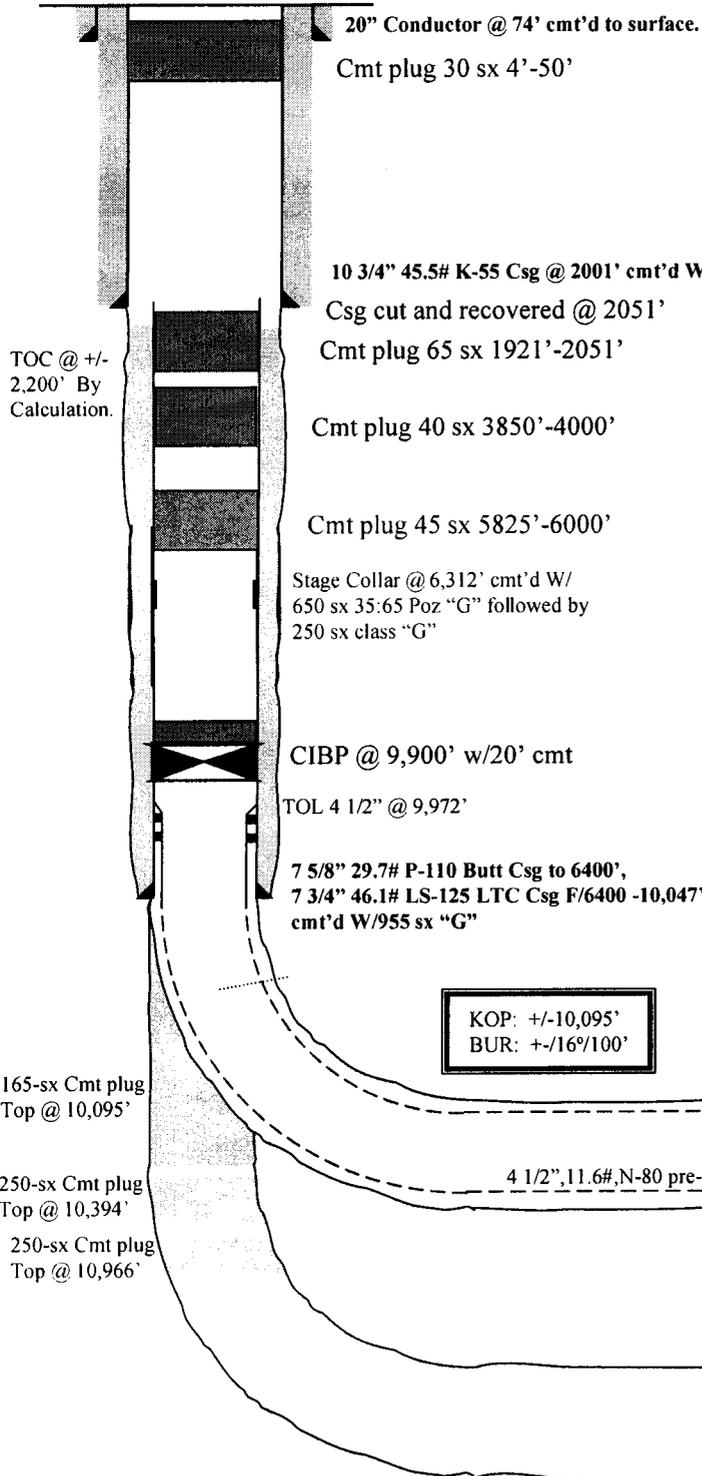
Well: UPRR #17-2H  
Field: UPRC Elkhorn  
County: Summit County, Utah

1. MIRU. Load well with FSW.
2. Remove tree. Install BOPS.
3. Release TAC at 9880'.
4. Circulate well with 9# fluid.
5. POH w/ tbg and TAC. (Stand back 6000')
6. RU WL. Make Gauge Ring and Junk Basket run to 9900'. RIH and set 7 3/4" CIBP at 9900'. Dump Bale 20' cement on top. RD WL.
7. RIH w/ tbg to 6000'.
8. Set 45-sx cement plug from 5825 – 6000'.
9. Pull tbg up to 3850'.
10. Set 40-sx cement plug from 3850 - 4000'.
11. Pull up. Reverse out. WOC.
12. Lower tbg and tag top of cement & record.
13. POH w/ tbg. (Stand back 2051')
14. Nipple up on 7 5/8" csg. RU Jacks.
15. Remove csg hanger.
16. RD Jacks. Set Annular BOP. RU Jacks.
17. RU WL. Jet cut 7 5/8" csg at 2051'. RD WL.
18. Recover 7 5/8" csg.
19. Set BOPS.
20. RIH w/ tbg to 2051'.
21. Circulate and condition fluid.
22. Set 65-sx cement plug from 1921 - 2051'.
23. Pull up. Reverse out. WOC.
24. Lower tbg and tag top of cement & record.
25. Lay tbg down.
26. Set 30-sx cement plug from 4 – 50'.
27. Cut & cap well 4' below ground level.
28. Rig down. Move off location.

# CITATION OIL AND GAS CORPORATION PROPOSED WELLBORE DIAGRAM AND INFORMATION

**Well Name:** UPRR #17-2H      **Field:** UPRC Elkhorn  
**Date:** August 9, 2006      **Location:** SW/SW Sec. 17, T2N, R7E  
**County:** Summit      **State:** Utah

**Surface:** 825' FSL & 663' FWL  
 Sec. 17, T2N, R7E  
 Summit County, UT  
**BHL:** 2866' FSL & 2854' FWL  
 Sec. 17, T2N, R7E  
**Completed:** March 1995  
**Elevation:** 6,924'  
**KB:** 24'  
**API #:** 43-043-30304



CASING DETAIL			
Size	Weight	Grade	Depth
10 3/4"	45.5	K-55	Surf - 2001
7 5/8"	29.7	P-110	Surf - 6400
7 3/4"	46.1	LS-125	6400 - 10047
4 1/2"	11.6	N-80	9972 - 13167

KOP: +/-10,095'  
 BUR: +/-16°/100'

165-sx Cmt plug  
 Top @ 10,095'  
  
 250-sx Cmt plug  
 Top @ 10,394'  
  
 250-sx Cmt plug  
 Top @ 10,966'

13,167' MD  
 VS = 2,994'

OH inflatable CTC  
 Payzone P&A PKR  
 set @ 10,302' W/cmt  
 on top of it. TOC @ 13,129'.

15,025' MD  
 VS = 4,747'

Rich Lateral  
 6 1/2" Open Hole  
 TVD: 10,568' - 11,061'

Watton Canyon Lateral  
 TVD 10,351' - 10,641'  
 4 1/2", 11.6#, N-80 pre-perforated (1 JSPF - 180 degree phasing) Liner  
 4 1/2" liner bottom @ 13,167'

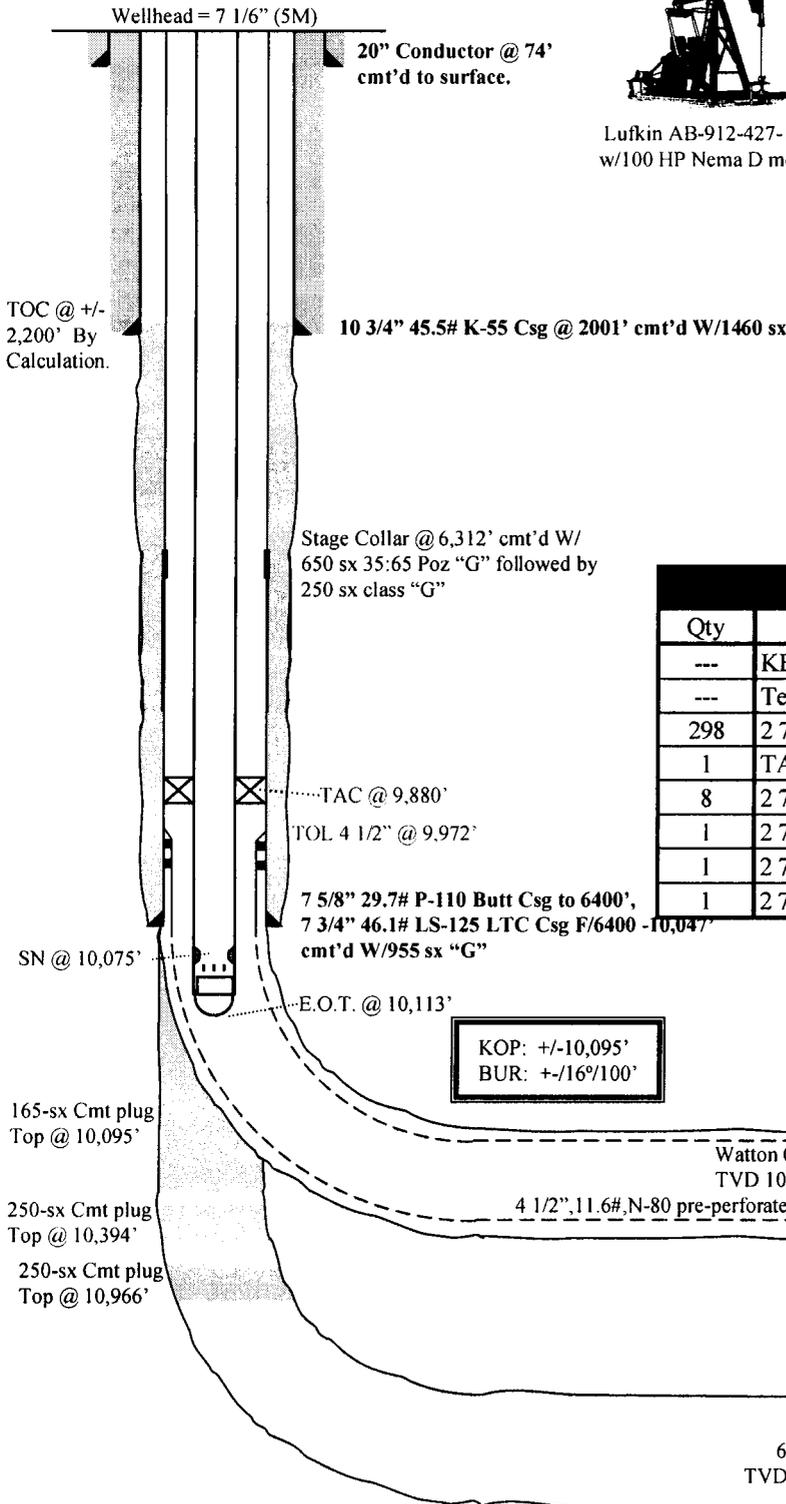
# CITATION OIL AND GAS CORPORATION WELLBORE DIAGRAM AND INFORMATION

**Well Name:** UPRR #17-2H      **Field:** UPRC Elkhorn  
**Date:** August 29, 2005      **Location:** SW/SW Sec. 17, T2N, R7E  
**County:** Summit      **State:** Utah



Lufkin AB-912-427-192  
w/100 HP Nema D motor

<b>Surface:</b>	825' FSL & 663' FWL Sec. 17, T2N, R7E Summit County, UT
<b>BHL:</b>	2866' FSL & 2854' FWL Sec. 17, T2N, R7E
<b>Completed:</b>	March 1995
<b>Elevation:</b>	6,924'
<b>KB:</b>	24'
<b>API #:</b>	43-043-30304



ROD DETAIL			
Qty	Size	Type	Length
2	1 1/4"	F.G. ponies	21
143	1 1/4"	F.G.	5,363
184	1"	"D"	4,600
Shear tool 1 rod above pump, 48-1" & 58-1 1/4 w/RG			
Polish Rod: 1 1/2" x 30'			
Pony Rods:			
Pump: 2 1/2" x 1 1/4" x 30' x 31' x 34' RHBC W/RV			

TUBING DETAIL			
Qty	Description	Length	Depth
---	KB	21	21.00
---	Tension	3.00	24.00
298	2 7/8", 6.5 ppf, L-80 tbg	9,796.47	9,820.47
1	TAC (2 7/8" x 7 3/4")	2.44	9,822.91
8	2 7/8", 6.5 ppf, L-80 tbg	264.64	10,087.55
1	2 7/8" cup-type SN	1.10	10,088.65
1	2 7/8" perforated sub	3.70	10,092.35
1	2 7/8" MA	33.76	10,126.11

CASING DETAIL			
Size	Weight	Grade	Depth
10 3/4"	45.5	K-55	Surf - 2001
7 5/8"	29.7	P-110	Surf - 6400
7 3/4"	46.1	LS-125	6400 - 10047
4 1/2"	11.6	N-80	9972 - 13167

**KOP: +/-10,095'**  
**BUR: +/-16°/100'**

OH inflatable CTC  
Payzone P&A PKR  
set @ 10,302' W/cmt  
on top of it. TOC @ 13,129'

Rich Lateral  
6 1/2" Open Hole  
TVD: 10,568' - 11,061'

15,025' MD  
VS = 4,747'

13,167' MD  
VS = 2,994'

Watton Canyon Lateral  
TVD 10,351' - 10,641'

4 1/2", 11.6#, N-80 pre-perforated (1 JSPF - 180 degree phasing) Liner

4 1/2" liner bottom @ 13,167'

165-sx Cmt plug  
Top @ 10,095'

250-sx Cmt plug  
Top @ 10,394'

250-sx Cmt plug  
Top @ 10,966'

TOC @ +/-  
2,200' By  
Calculation.

20" Conductor @ 74'  
cmt'd to surface.

10 3/4" 45.5# K-55 Csg @ 2001' cmt'd W/1460 sx

Stage Collar @ 6,312' cmt'd W/  
650 sx 35:65 Poz "G" followed by  
250 sx class "G"

TAC @ 9,880'

TOL 4 1/2" @ 9,972'

7 5/8" 29.7# P-110 Butt Csg to 6400',  
7 3/4" 46.1# LS-125 LTC Csg F/6400 -10,047'  
cmt'd W/955 sx "G"

E.O.T. @ 10,113'



State of Utah

Department of  
Natural Resources

MICHAEL R. STYLER  
Executive Director

Division of  
Oil, Gas & Mining

JOHN R. BAZA  
Division Director

JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

**CONDITIONS OF APPROVAL  
TO PLUG AND ABANDON WELL**

Well Name and Number: Elkhorn Watton Cyn Unit 17-2H  
API Number: 43-043-30304  
Operator: Citation Oil & Gas Corporation  
Reference Document: Original Sundry Notice dated August 14, 2006,  
received by DOGM on August 17, 2006

**Approval Conditions:**

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. Cement shall be Class G neat cement mixed at 15.8 ppg with a yield of 1.15 cf/sk unless a different type is approved by the Division.
3. **Amend Plug #1 (procedural step #8):** 100' ( $\pm 20$  sx) of cement shall be spotted on top of the CIBP @ 9900' not 20' as proposed (R649-3-24-3.2).
4. **Add Plug #2:** A 100' plug ( $\pm 20$  sx) shall be balanced across the fresh water flows in the Stump formation from 7000' to 6900' (R649-3-24-3.3).
5. **Move Plug #3 (procedural step #8):** The plug shall be placed 400' deeper across the DV tool and Stump formation top from 6225' to 6400' (R649-3-24-3.3).
6. **Amend Plug #5 (procedural step #22):** Plug shall be from 50' inside the stub ( $\pm 2100'$ ) to a minimum of 50' above the surface shoe ( $\pm 1950'$ ) - R649-3-24-3.8. Quantity of cement proposed is adequate.
7. All balanced plugs shall be tagged to ensure the plugs are at the depths specified.
8. All intervals between plugs shall be filled with noncorrosive fluid.
9. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
10. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
11. If there are any changes to the plugging procedure or wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
12. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet  
Petroleum Engineer

November 13, 2006

Date

# Wellbore Diagram

**API Well No:** 43-043-30304-00-00 **Permit No:**  
**Company Name:** CITATION OIL & GAS CORP  
**Location:** Sec: 17 T: 2N R: 7E Spot: SWSW  
**Coordinates:** X: 484265 Y: 4527811  
**Field Name:** ELKHORN  
**County Name:** SUMMIT

**Well Name/No:** ELKHORN WATTON CYN U 17-2

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (f/cf)
HOL1	2001	14.75			
SURF	2001	10.75	45.5	2001	1.852
HOL2	10047	9.875			
PROD	10047	7.75	46.1	3647	4.261
PROD	6400	7.625	29.7	6400	3.879
<del>BASK</del>	6313	7.625			
HOL3	13167	6.25			
LI	13167	4.5	11.6	3195	

9 7/8" hole (208) → 1.306

Surface: 10.75 in. @ 2001 ft.  
 Cement from 2001 ft. to surface  
 Production: 7.625 in. @ 6400 ft.

Hole: 14.75 in. @ 2001 ft.

**Amend Plug # 5 (Step # 2R)**

need sol into stub, 50' above shoe

inside hole  $50' / (1.15) (3.879) = 11.5x$

open hole  $50' / (1.15) (1.306) = 34.5x$

above shoe  $50' / (1.15) (1.852) = 23.5x$

### Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	6400	2200	PC	650
PROD	6400	2200	G	250
PROD	10047	6400	G	995
SURF	2001	0	PC	1210
SURF	2001	0	G	250

Cement from 6400 ft. to 2200 ft.

**\* Move Plug # 3 (Step # 8)**

400' deeper fr. 6225' to 6400' across DUT and stump formation

DUT @ 6313

6313 Stump

$(455x) / (1.15) (3.879) = 200x$

### Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
10047	13167			

6957-64' Water Flow (Fresh)

7408 press

**\* Add Plug # 2 (across water flow fr. 7000' to 6900')**

$100' / (1.15) (4.261) = 20.5x$

Liner from 13167 ft. to 9972 ft.

5544 Twin Creek

Cement from 10047 ft. to 6400 ft.

9800' Production: 7.75 in. @ 10047 ft.

CIBPE @ 9900' Hole: 9.875 in. @ 10047 ft.

10381 Water Cyn

### Formation Information

Formation	Depth
STUMP	6330
PREU	7408
PRES	8936
GIRAF CR	9544
LEEDSCK	9978
WTCYN	10381
BOURIDG	10631
RICH	10806

**\* Amend Plug # 1 (Step # 6)**

need 100' not 20'

$100' / (1.15) (4.261) = 20.5x$

Hole: 6.25 in. @ 13167 ft.

TD: 13167 TVD: PBTD:

Category @ 2001

3850'

4000'

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
Elkhorn Watton Canyon Unit

8. WELL NAME and NUMBER:  
Elkhorn Watton Canyon 17-2H

9. API NUMBER:  
4304330304

10. FIELD AND POOL, OR WLD/CAT:  
Elkhorn Field

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
Citation Oil & Gas Corp.

3. ADDRESS OF OPERATOR: P O Box 6906888 CITY Houston STATE TX ZIP 77269 PHONE NUMBER: (281) 517-7800

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 825' FSL & 663' FWL COUNTY: Summit  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 17 2N 7E STATE: UTAH

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

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

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Citation requests permission to retain this wellbore in a shut-in status for future reactivation in the Elkhorn Watton Canyon Unit. This waterflood in field is being evaluated. The fluid level in this wellbore is 5980' from surface.

COPY SENT TO OPERATOR  
Date: 1-8-07  
Initials: pm

NAME (PLEASE PRINT) Sharon Ward TITLE Permitting Manager  
SIGNATURE Sharon Ward DATE 6/19/2006

(This space for State use only)  
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS AND MINING  
1/4/07  
D. Ward  
(See Instructions on Reverse Side)  
\*See attached letter dated 1/4/07

RECEIVED  
JUN 21 2006  
DIV. OF OIL, GAS & MINING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

January 4, 2007

Sharon Ward  
Citation Oil & Gas Corp  
P.O. Box 690688  
Houston, Texas 77269-0688

Re: Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases.

Dear Ms. Ward:

Citation Oil & Gas Corp. (Citation) has proposed to plug 16 wells beginning in March of 2007 (see attached email dated 11/20/2006). The majority of these wells have approved P&A procedures in effect (see attachment A for wells that are currently approved for P&A and are planned for a March start date). Based on this plan of action and information provided, The Division of Oil, Gas and Mining (Division) approves extended SI/TA for the wells on Attachment A through July 1, 2007 at which time Citation shall submit plans for reactivation or plugging of those wells not already addressed.

Federal approval is required on all Federal lease wells. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet  
Petroleum Engineer

**Attachments**

cc: Well File  
SITLA

# ATTACHMENT A

## Wells with Approved P&A's

	Well Name	API	Lease Type	Years Inactive
1	Walker Hollow U 58	43-047-30912	State	10 Years 7 Months
2	Walker Hollow 44	43-047-30688	State	13 Years 7 Months
3	UPRR 35-2H	43-043-30305	Fee	7 Years 6 Months
4	UPRC 3-11H	43-043-30318	Fee	8 Years 8 Months
5	Blonquist 26-3	43-043-30235	Fee	9 Years 4 Months
6	Bingham 2-2	43-043-30028	Fee	9 Years 7 Months
7	Elkhorn Watton Cyn U 19-2X	43-043-30300	Fee	9 Years 8 Months
8	Elkhorn Watton Cyn U 18-1	43-043-30284	Fee	10 Years 4 Months
9	Bingham 2-4	43-043-30038	Fee	10 Years 8 Months
10	UPRR 3-1	43-043-30012	Fee	13 Years 8 Months
11	Judd 34-1	43-043-30061	Fee	13 Years 9 Months
12	Judd 34-3	43-043-30098	Fee	13 Years 9 Months
13	Pineview 4-3	43-043-30077	Fee	3 Years 11 Months

## Wells without Approved P&A's

	Well Name	API	Lease Type	Years Inactive
1	Bingham 10-1	43-043-30025	Fee	8 Years 7 Months
2	Elkhorn Watton Cyn U 17-2H	43-043-30304	Fee	0 Years 11 Months
3	USA Pearl Broadhurst U 22	43-047-31025	Fed	20 Years 0 Months
4	Walker Hollow Unit 36	43-047-30282	Fed	6 Years 11 Months
5	Walker Hollow Unit 74	43-047-31031	Fed	3 Years 7 Months
6	Walker Hollow Unit 60	43-047-30913	Fed	21 Years 6 Months
7	Upper Valley Unit 2	43-017-16025	Fed	10 Years 11 Months

**From:** "Sharon Ward" <SWard@cogc.com>  
**To:** <danjarvis@utah.gov>  
**Date:** 11/20/2006 9:06 AM  
**Subject:** FW: Rig Availability

**CC:** <dustindoucet@utah.gov>  
Dan,

Dustin,

Chad Stallard requested that I forward you an email from TETRA Applied Technologies, L. P. advising us that they will be able to start plugging procedures for Citation around March 2007. If you have any questions regarding this information, please contact me.

Sincerely,

Sharon Ward

Permitting Manager/Well Records

Citation Oil & Gas Corp.

wk# 281-517-7309

fax# 281-469-9667

-----Original Message-----

**From:** David W. Culberson [mailto:dculberson@tetratec.com]  
**Sent:** Thursday, November 02, 2006 4:44 PM  
**To:** Chad Stallard  
**Cc:** Mark Bing; Alan Culberson  
**Subject:** Rig Availability

Gentlemen:

TETRA Applied Technologies, L. P. acknowledges that it has been contracted by Citation Oil and Gas Corporation to plug 16 wells in and around Summit County Utah.

At this time TETRA Applied Technologies, L.P. is extremely busy and in the process of refurbishing our rig fleet. We estimate that one of our rigs will be available to start operations on these wells in March of 2007.

If you have any questions, please let contact me.

Thank you,

David W. Culberson

Sales Manager/Onshore P&A

361-578-3503 office

361-550-9005 cell

361-578-4158 fax

[dculberson@tetrattec.com](mailto:dculberson@tetrattec.com)

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>Elkhorn Watton Canyon Unit</b>
2. NAME OF OPERATOR: <b>Citation Oil &amp; Gas Corp.</b>		8. WELL NAME and NUMBER: <b>Elkhorn Watton Canyon Un 17-2H</b>
3. ADDRESS OF OPERATOR: P O Box 690688 CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77269</b>		9. API NUMBER: <b>4304330304</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>825 FSL &amp; 663 FWL</b>		10. FIELD AND POOL, OR WILDCAT: <b>Elkhorn (Watton Canyon)</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 17 2N 7E</b>		COUNTY: <b>Summit</b>
		STATE: <b>UTAH</b>

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>10/21/2007</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 10/9/2007 Citation RU derrick & PU guylines. Removed flow lines from well. Bled well dn to 0. RU hot oil trk. Loaded well w/5 bbls press up to 500#. Rls'd rod pmp from 9963'. Pmp'd 200 bbls FW dn csg @ 180 deg. Pmp came free w/41,000#. LD rods. Put polish rod back in. Pmp'd 100 bbls FW dn tbg to clean rods. RD hot oil trk. Pulled polished rods. Broke by hand. RD rod equip. RM tbg slips & 3M flange. NU BOP's. RU equip & floor. Rls'd TAC @ 9880'. LD pop jt & singe. POOH w/tbg. LD TAC. RIH w/ 7 5/8" CIBP to 9900' & set. Pulled 30,000# over weight & 30,000 dn. Rls'd out. RU hot oil trk. Circ well w/9# fluid. RD trk. Broke circ. Set 23 sxs 16.4# cmt plug on top of CIBP. Put 10 gal pkr flui. HOOH w/tbg & rls'd tool from CIBP. 7000' stand on derrick. LD rest & rls'd tool. Ran 2 7/8" tbg open ended to 7000'. Loaded well w/FW. Set 45 sxs cmt plug from 6900-7000'. Rvs'd out WOC. Tagged @ 6820'. Pulled tbg to 6400'. Set 45 sxs cmt plug 6225-6400'. Rvs'd clean. Broke circ. Tagged cmt @ 6235'. Pulled tbg to 4000'. Set 40 sxs cmt plug 3850-4000'. Put 15 gal pkr fluid. Rvs'd out WOC. Tagged TOC @ 3830'. Stood 2100' on derrick. Loaded well w/FW. RD 2 7/8" equip. RU WL trk. RIH & cut 7 5/8" csg @ 2050' w/ biwire. ROOH. RD WL. RM BOP's w/csg WH. NU on 7 5/8" csg. Pulled csg w/rig. RM csg hanger w/100,000#. NU adapter spool, DSA & annular BOP. RU equip. LD 4 jts & pull nipple. Cut w/torch 2" above collar. ND BOP's, DSA & spool. RIH w/ tbg to 2100'. Circ & conditioned fluid. Set 65 sx cmt plug from 1950-2100'. Put 15 gal pkr fluid. Rvs'd out WOC. Tagged TOC @ 1960'. Set 30 sxs cmt plug from 4'-50' & put 10 gal pkr fluid. LD tbg. RD equip & rig floor. ND BOP. PU and cleaned location. All plugs witnessed by representative of the state. Well plugged and abandoned on 10/21/2007.

NAME (PLEASE PRINT) <u>Sharon Ward</u>	TITLE <u>Permitting Manager</u>
SIGNATURE <u><i>Sharon Ward</i></u>	DATE <u>10/24/2007</u>

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**RECEIVED**  
**OCT 29 2007**

DIV. OF OIL, GAS & MINING

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

FORM 9

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1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Plugged</u>		7. UNIT or CA AGREEMENT NAME: <b>Elkhorn Watton Canyon Unit</b>
2. NAME OF OPERATOR: <b>Citation Oil &amp; Gas Corp.</b>		8. WELL NAME and NUMBER: <b>Elkhorn Watton Canyon Un 17-2H</b>
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		10. FIELD AND POOL, OR WILDCAT: <b>Elkhorn (Watton Canyon)</b>
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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 17 2N 7E</b>		STATE: <b>UTAH</b>

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	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above well was plugged and abandoned on 10/21/2007. The location has since been reclaimed per the surface agreement and is ready for inspection to release this well from our bond.

NAME (PLEASE PRINT) <u>Sharon Ward</u>	TITLE <u>Permitting Manager</u>
SIGNATURE <u><i>Sharon Ward</i></u>	DATE <u>10/27/2009</u>

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DIV. OF OIL, GAS & MINING