

FORM 3

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 DRILL Horizontal DEEPEN PLUG BACK

b. Type of Well
 Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
 Union Pacific Resources Company (817) 877-7956

3. Address of Operator
 P.O. Box 7 MS 3407, Fort Worth, TX 76101-0007

4. Location of Well (Report location clearly and in accordance with any State requirements.)
 At surface SHL = 660' FWL & 1945' FNL Sec. 19-T2N-R7E
 At proposed prod. zone EHL = 1530' FEL & 1770' FNL Sec. 19-T2N-R7E

5. Lease Designation and Serial No.
 Land Grant Section

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

7. Unit Agreement Name

8. Farm or Lease Name
 UPRR

9. Well No.
 #1 H 19-2X

10. Field and Foot, or Wildcat
 Elkhorn/Watton Canyon

11. 08, Sec., T., R., N., or S14, and Survey or Area
 Sec. 19-T2N-R7E

12. County or Parish
 Summit

13. State
 Utah

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

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drif. line, if any)
 SHL = 660'
 EHL = 1530'

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.
 None

19. Proposed depth
 10,660 MD

20. Rotary or cable tools
 O-TD = Rotary Tools

21. Elevations (Show whether DF, RT, GR, etc.)
 KBE: 6736' GLE: 6721'

22. Approx. date work will start*
 Verbal approval 06-28-93

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See Attached				

Union Pacific Resources Company proposes to drill the above stated wellbore and attempt a **Horizontal completion** in the Watton Canyon Member of the Twin Creek formation.

Land Plat-Lease Information: Union Pacific Resources Company unsuccessfully re-entered the UPRR 19-2 and attempted a horizontal completion. This attempt (API# 43-043-30086) was drilled and abandoned on 06-27-93. UPRC proposes to skid the rig 35' north and drill the well again.

RECEIVED

JUN 29 1993

DIVISION OF
OIL GAS & MINING

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.

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

J. Montgomery for Joy Rector Title Sr. Regulatory Analyst Date 6-29-93

(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

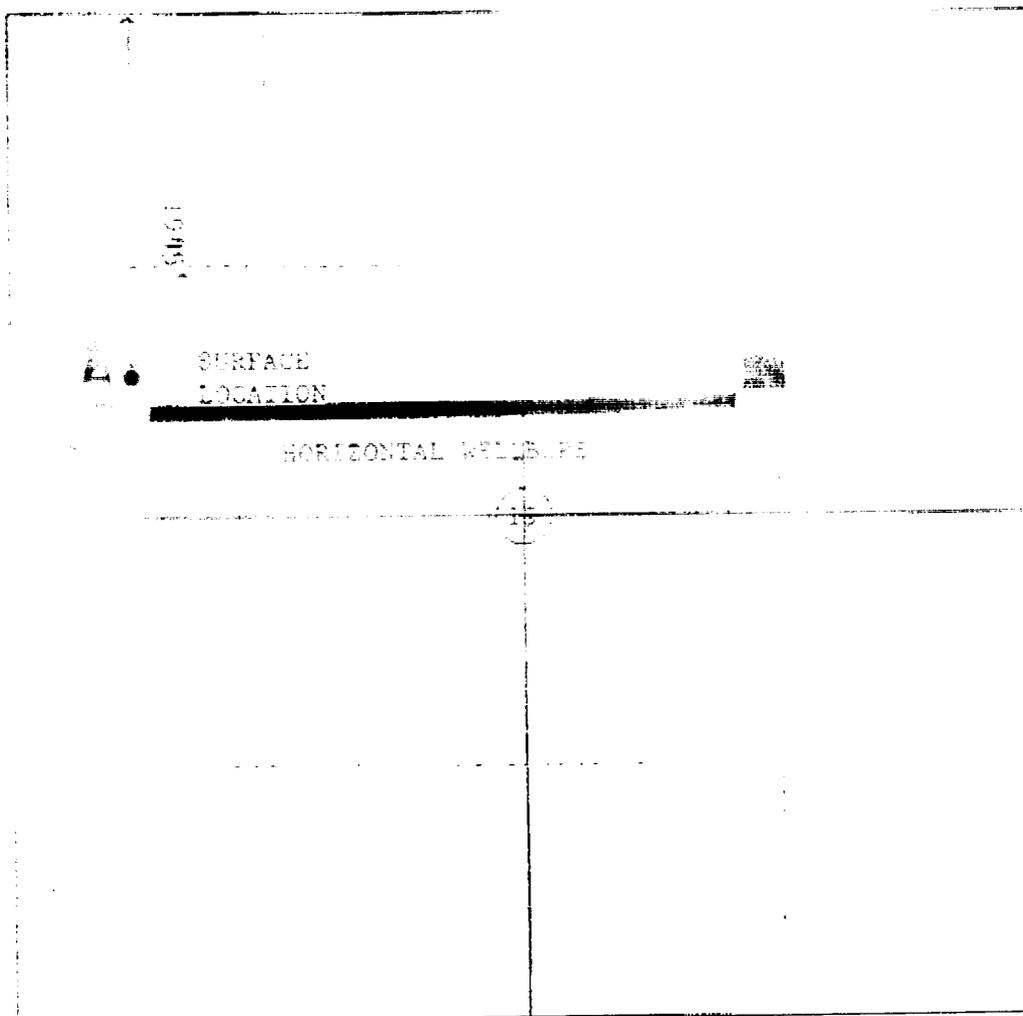
UPRR 19 - 2X

NEW FOOTAGES: 1945' FNL AND 660' FWL OF SECTION 19

Section 19 Township 2N Range 7E

County SUMMIT State UTAH

SECTION 19: IS A LAND GRANT SECTION WHICH WAS ONCE FARMED OUT TO THE LEASE WAS FARMED BACK TO UNION PACIFIC RESOURCES. THE LEASE IS OF SECTION 19, T2N, R7E. UPRC HAS THE LEASE 100%.



- UPRR 19-2 = 2-4-78; Drilled & Abandoned: (API # 43-043-30068)
- UPRR 19-2 = 4-21-93; Re-Entered old well bore for an attempt to complete a horizontal well bore in the Watton Canyon Member of Twin Creek Formation - Attempt Failed - well Plugged and Abandoned 6-27-93
- UPRR 19-2X = 6-28-93; New well bore - New API # - Skidded Rig 35' North - Began drilling new well from scratch. Same programs and techniques will be used.

#1H UPRR 19-2X
 Sec. 19-T2N-R7E
 Summit County, Utah

Attachment to Application for Permit to Drill, Deepen, or Plug Back

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT per FOOT	DEPTH	QTY. CEMENT
17 1/2"	13 3/8"	54.5# K-55, STC	2500'	1500 sxs of Pacesetter Lite & 6% gel + 3% CaCl ₂ + 1/4#/sx seal (12.7ppg-1.87yield) & 150 sxs Class A + 2% CaCl ₂ @ (15.8ppg 1.16 yield)
9 7/8"	7 5/8"	29.7# N-80 LTC	0-8500'	Cement with 500 sxs. The exact cementing program will be sent directly.
	7 5/8"	39# S-95, LTC	8500'-10,050'	We are presently in discussion with a cementing company as to a specific program.
4"	4 1/2"	11.6#	10,000'-13,400'	Perforated liner for horizontal wellbore.

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DIVISION OF
 OIL GAS & MINING

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 06/29/93

OPERATOR: UNION PACIFIC RESOURCES
WELL NAME: UPRR 1H 19-2X (RIG SKID)

OPERATOR ACCT NO: N- 9465

API NO. ASSIGNED: 43-043-30300

LEASE TYPE: _____ LEASE NO: for
LOCATION: SWNW 19 - T02N - R07E SUMMIT COUNTY
FIELD: Burns FIELD CODE: 500

RECEIVED AND/OR REVIEWED:

- Plat
- Bond
(Number 044700080.000)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
(Number no permit #)
- 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:

Surface location in general spacing
slutal appraisal given by TLT.

STIPULATIONS:

Water Permit
cc: Summit assessor

CONFIDENTIAL

PERIOD
EXPIRED
ON 10-29-94

FROM JOY

PLEASE JUST MAIL THE ATTACHED AS INDICATE

EXPRESS MAIL
POSTAL MAIL

WELL NAME: ~~UPRR~~ UPRR 19-2X SUBMITTAL: APD

STATE OF COLORADO
OIL & GAS CONSERVATION COMMISSION
LOGAN TOWER BLDG., SUITE 380
1580 LOGAN STREET
DENVER, COLORADO 80203-2281
303/894-2100
303/894-2109 (FAX)

NORTH DAKOTA INDUSTRIAL COMMISSION
600 EAST BLVD. (MAILING ADDRESS)
1022 E. DIVIDE AVE. (STREET ADDRESS)
BISMARCK, NORTH DAKOTA 58505-0840
701/224-2969
701/224-3682 (FAX)

KANSAS CORPORATION COMMISSION
200 COLORADO DERBY BLDG.
202 W. FIRST STREET
WICHITA, KS 67202-1286
316/263-3238
316/263-6927 (FAX)

OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
2101 N. LINCOLN BLVD.
OKLAHOMA CITY, OK 73105-4993
405/521-2211
405/521-6045 (FAX)

STATE OF MONTANA
BOARD OF OIL & GAS CONSERVATION
2535 ST. JOHNS AVENUE
BILLINGS, MONTANA 59102
406/656-0040
406/657-1604 (FAX)

X
UTAH DEPT. OF NATURAL RESOURCES
DIV. OF OIL, GAS & MINING
355 N. TEMPLE - 3 TRIAD CENTER
SUITE 350
SALT LAKE CITY, UTAH 84180
801/538-5340
801/359-3940 (FAX)
FRANK MATTHEWS

NEW MEXICO OIL CONSERVATION COMM.
DISTRICT I
1000 W. BROADWAY
P. O. BOX 1980
HOBBS, NM 88241-1980
505/393-6161
505/393-0720 (FAX)

STATE OF WYOMING
OIL & GAS CONSERVATION COMMISSION
777 W. FIRST ST. (STREET ADDRESS) 82601
P. O. BOX 2640 (MAIL ADDRESS) 82602
CASPER, WYOMING
307/234-7147
307/234-5306 (FAX)

NEW MEXICO OIL CONSERVATION COMM.
DISTRICT II
811 S. FIRST
P. O. DRAWER DD
ARTESIA, NM 88210
505/748-1283
505/748-9720 (FAX)

From: *Sally R. ...*



P.O. Box 7
Mail Station No. 3407
Fort Worth, TX 76101-0007
Bus. 817/877-7956
Fax 817/877-7910

JUST MAIL - ALL COPIES MADE (STATE)

g:SUMail.wkt rev 7-22-92

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 Signature: [Signature] Title: Sr. Regulatory Analyst Date: 6-29-93

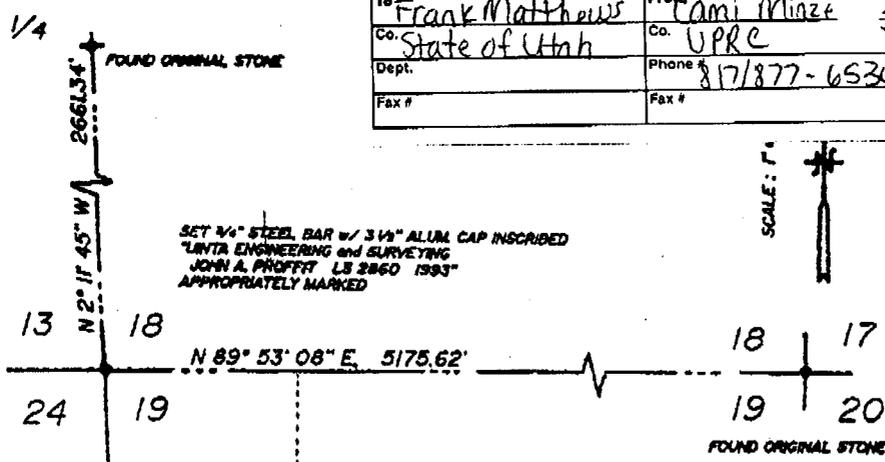
(This space for Federal or State office use)
 APT NO. 43-043-30300 Approval Date _____
 Approved by _____ Title _____
 Conditions of approval, if any: _____

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

DATE: 7/15/93
 BY: [Signature]
 WELL SPACING: 649-3-2

*See Instructions On Reverse Side

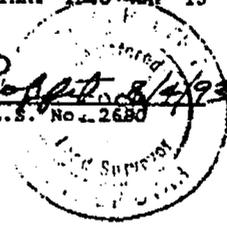
Post-It™ brand fax transmittal memo 7671		# of pages
To	Frank Matthews	From
Co.	State of Utah	Co.
Dept.		Phone #
Fax #		Fax #



CERTIFICATE OF SURVEYOR

I, JOHN A. PROFFIT, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR, AND THAT I HOLD CERTIFICATE No. 2680, AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH, AND THAT A SURVEY OF THE WELL SHOWN ON THIS MAP WAS PERFORMED ON [redacted] UNDER MY DIRECTION BY STAN TAGGART, FOR WHOSE WORK I STAND PERSONALLY RESPONSIBLE, AND THAT THE WELL LOCATION AND SECTION CONTROL HAVE BEEN CORRECTLY SURVEYED AND THAT THIS MAP IS TRUE AND CORRECT.

John A. Proffit
 JOHN A. PROFFIT, UTAH R.L.S. No. 2680



554' F.W.L. U.P.R.R. ELKHORN 19-2X EXISTING WELL LOCATION

SURVEY NARRATIVE

- 1) THE PURPOSE OF THE SURVEY WAS TO ESTABLISH THE SECTION LINE OFFSETS OF THE U.P.R.R. ELKHORN 19-2X WELL, AS IT EXISTS, AS REQUESTED BY UNION PACIFIC RESOURCES COMPANY.
- 2) THE BASIS OF BEARING WAS ESTABLISHED USING SOLAR OBSERVATIONS.
- 3) A DILIGENT SEARCH WAS PERFORMED FOR THE NORTHWEST AND WEST 1/4 CORNERS OF SECTION 19. THESE CORNERS WERE DETERMINED TO BE LOST AND WERE RESET USING PROPORTIONED DISTANCES ALONG THE RANGE LINE BETWEEN FOUND CORNERS.

MAP SHOWING LOCATION of U.P.R.R. ELKHORN 19-2X EXISTING WELL LOCATION

UNTA ENGINEERING and SURVEYING, INC.
 808 MAIN STREET, EVANSTON WYOMING 82930
 (307) 789-3602
 8-4-93 93-64-11

SW 1/4 NW 1/4 SECTION 19
 T 2 N, R 7 E, S 1 B.M.
 SUMMIT COUNTY, UTAH

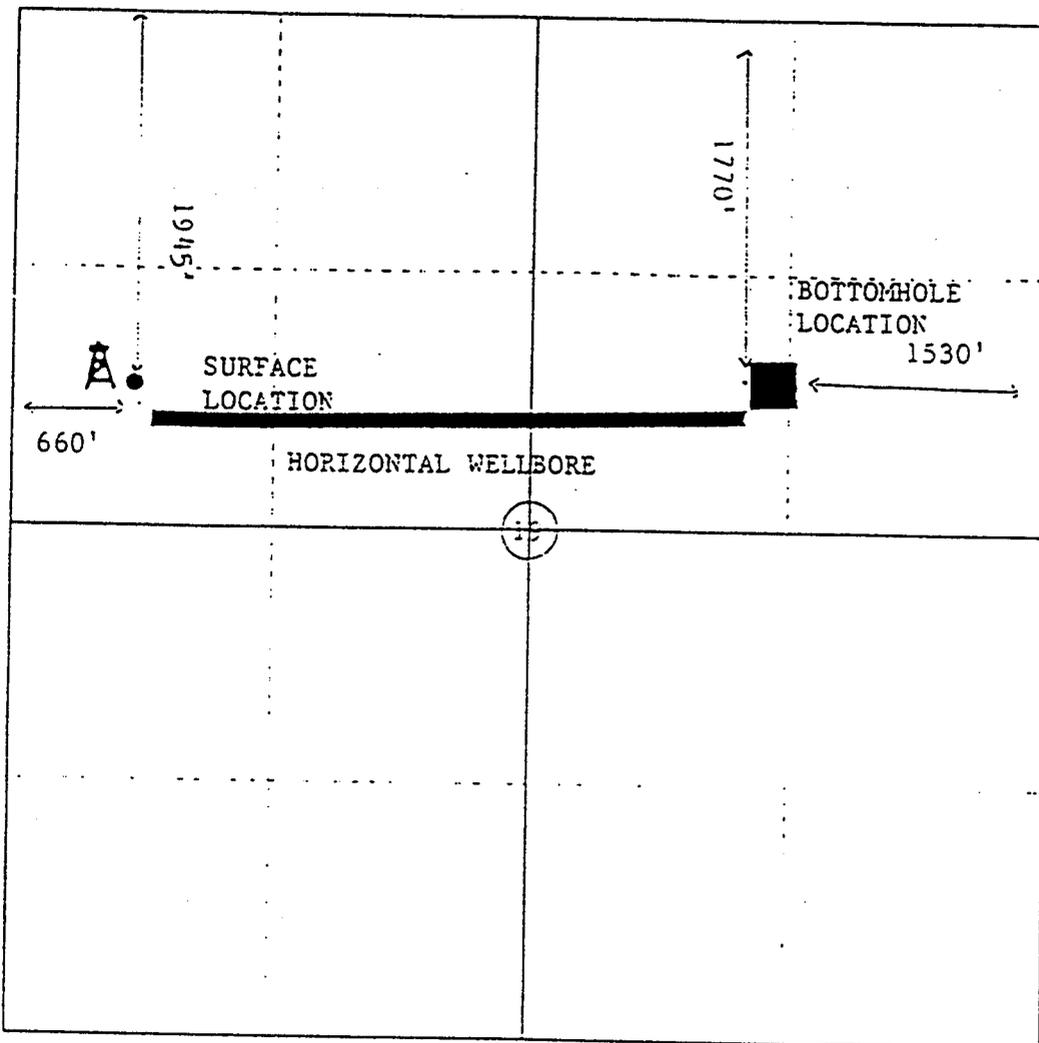
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County SUMMIT State UTAH

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4"	4 1/2"	11.6#	10,000'-13,400'	Perforated liner for horizontal wellbore.

INTER-OFFICE CORRESPONDENCE

TO: Horizontal Twin Creek Drilling Foremen OFFICE:
 FROM: W. E. Charles DATE: 06-30-93
 SUBJECT: DRILLING PROCEDURE: Well Reentry

WELL:	ELKHORN UPRR 19-2X	PROPOSED DEPTH:	14149 ' KBMD
COUNTY:	Summit County, Utah	VERTICAL DEPTH:	10318 ' KBTVD
AFE:	15506	ELEVATION:	6721 '
DHC:	\$ 2000M	ESTIMATED RKB:	6740 '
CWC:	\$ 2250M	WORKING INTEREST:	87.8 %
API NO:	49-043-		

LOCATION: SURFACE: 1950' FNL & 660' FWL of Section 19-T2N-R7E
 BHL: 1450' FNL & 660' FEL (4570' FWL) of Section 19-T2N-R7E

ANTICIPATED PRODUCTIVE FORMATION: Watton Canyon

DIRECTIONS TO LOCATION: From Evanston, Wyoming, take I-80 towards Echo Junction. Continue towards Salt Lake City, Utah. Take Coalville exit; go through center of town around courthouse. Turn onto Chalk Creek Road (east); go 6.5 miles and take road to right. Go 3.5 miles to fork in road; take left fork. Go 0.7 mile to fork in road; take right fork. Go 1.1 miles and turn right into location.

ANTICIPATED FORMATION TOPS (RKB TVD)

	Vertical Section				
	0'	800'	1400'	2200'	@ BHL
Tertiary	0'				
Frontier	1922'				
Aspen	3568'				
Kelvin	3903'				
Stump	6842'				
Preuss	7513'				
Salt	8958'				
Base of Salt	9560'				
Giraffe Creek (Twin Creek)	9642'				
Leeds Creek	10090'				
Watton Canyon	10476'				
Top of Target	10556'	10366'	10302'	10246'	10246'
Base of Target	10646'	10456'	10392'	10336'	10336'
Boundry Ridge	10687'				

-- NOTE: DO NOT DRILL DEEPER THAN 10440' TVD --

PROPOSED DIRECTIONAL PROGRAM

KOP	- 10030'	Vertical Section @ TD	- 3900'
7-5/8" Casing Set @	10090' @ 8°	Average Hole Angle	- 92°
Build Rate	- 14°/100'	Hole Direction	- 82.7°

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- (1) Notify Utah Department of Natural Resources (801) 538-5340.
- (2) Spud well with 17-1/2" bit. Drill to 2500' taking surveys at 250 ft intervals. Circulate hole clean. Drop survey. Pull out of hole. Be aware of potential boulders falling in hole. Insert bits will be required! Lost circulation could be encountered as conglomerate is drilled.
- (3) Rig up casing crew and run 13-3/8" 54.5 ppf, J-55, .STC as follows:
 - a) regular float shoe (thread-lock)
 - b) float joint (thread-lock)
 - c) float collar (thread-lock)
 - d) 13-3/8" casing to surface (Cost = \$17.50/Foot)Install one centralizer on the float joint and every fourth joint to surface. Install cement basket 1 joint below ground level.
- (4) Cement surface casing as per attached program. Do not reciprocate pipe during job and displace with native mud/water. Do not over displace. Notify Fort Worth office immediately if cement is not circulated to surface. If cement level should fall, use pea gravel to fill the annulus.
- (5) Wait on cement for 4 hours. Cut off casing. Install 13-3/8" SOW x 11" 3000 psi bradenhead. Test welds to 800 psi. Nipple up BOPs. Test rams, valves, and manifold to 250 psi and 3500 psi; test annular to 250 psi and 1500 psi.
- (6) Run in hole with 12-1/4" bit and drill out shoe plus 5' rathole. Trip for stabilized BHA and 9-7/8" rock bit.
- (7) Drill 9-7/8" hole surveying at intervals not to exceed 500'. Deviation shall not exceed 2°. Should deviation approach 2°, begin taking surveys at closer intervals and attempt to correct using less weight, new bits, or alternate stabilization. The adjacent 19-2 well drifted 200' to the south at TD. The planned TD of the replacement 19-2X well should be 200' away from the original well; this will require that the 19-2X well be drilled as straight as possible. Periodical gyro directional surveys will be run to check on hole drift; it is anticipated that motor correction runs will be needed to keep the wellbore straight.
- (8) *Use native mud and gel sweeps for hole cleaning. Break the mud over to a polymer system at 4000'. Run 10-15 ppb gel and .5-.6 PHPA to maximize hole cleaning and lubricity. Lower the fluid loss to 15 cc or less as the Stump is drilled with Drispac. Use caustic and maintain ph at 9.0-9.5. Reduce calcium with soda ash.
*Prior to penetrating the salt, break the system over to a salt saturated mud. Add bulk salt to achieve 180,000 ppm chlorides. Use prehydrated gel to maintain desired viscosity.
- (9) At KOP, drop a multishot survey and pull out of hole. Run in hole with directional BHA. Orient bit and build angle at 14°/100' to casing point (shoe to be in the Leeds Creek). At casing point, pump gel/poly sweep and circulate the hole clean. Make a 10 stand wiper trip and POOH.

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(10) Rig up casing crew, drift and run 7-5/8" intermediate casing as follows:

- a) 7-5/8" down-jet float shoe
- b) 7-5/8" 39# S-95 LT&C float joints (2)
- c) 7-5/8" float insert
- d) 7-5/8" 39# S-95 LT&C casing to 8000'
- e) 7-5/8" 29.7# N-80 LT&C to surface.

The bottom two joints of 7-5/8" casing and the float shoe should be thread locked. Centralize casing with two positive stand-off centralizers. One centralizer should be placed against the float shoe with a stop ring and one in the middle of the float joint with stop rings on either side. Run 2 centralizers per joint through the salt.

- (11) Rig up cementing head and circulate with rig pump. Do not attempt to reciprocate while circulating. Circulate hole clean.
- (12) Cement 7-5/8" casing as per attached cementing program. With 2-3 bbls of cement left in tub, drop top plug. Pump last 2-3 bbls of cement and displace with mud. Do not over displace.
- (13) Set slips. Nipple up 11" 3000 psi x 7-1/16" 5000 psi FMC wellhead. Test to 3500 psi. Nipple up BOP's; test rams and manifold to 250 and 3500 psi; annular to 250 and 1500 psi. Install and test surface separation equipment. After the shoe is drilled out, returns will be diverted through a mud-gas separator.
- (14) Lay down the contractor's drillpipe. Pick up 4" 14 ppf S-135 XH rental drillpipe. Strap in hole with 6-1/2" mill tooth bit and junk basket. Tag cement.
- (15) Test casing to 1000 psi. Drill out the shoe and 5' new hole. Circulate bottoms up.
- (16) Trip for a 6-1/2" bit and angle-build motor BHA. Build angle per attached program. It is anticipated that HP-53's will be the only directional bits required.
- (17) Drilling from casing point to TD will be done using gelled water. 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.
- (18) Once TD is reached, pull out of hole and lay down BHA. Rig up Schlumberger and run drillpipe conveyed FMS log.
- (19) Run a perforated 4-1/2" 11.6 ppf K-55 LTC production liner to TD with the TOL dressed with a simple on-off tool. Land the liner (with orange peeled shoe joint) on bottom with the TOL 150' inside the 7-5/8" casing. (Cost = \$5.97/ft)
- (20) Install a bullplugged mandrel-tubing hanger in the tubing spool; lock down the hanger. Test above the hanger and below the blind rams to 1500 psi. Nipple down BOP's. Install the dry hole flange. Clean tanks.
- (21) Rig down and load out equipment. Install bird net over reserve and sump pits.

CONFIDENTIAL

SPERRY-SUN DRILLING SERVICES
INTERPOLATED PROPOSAL

Platform ... : LAED RIG
 Slot/well .. : 1 /LAE

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TRD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG	TOOL FACE
* 10030.74	0.00	0.00	10030.74	0.00 N	0.00 E	0.00	0.00	0.00 *
* 10090.00	8.29	82.71	10089.79	0.54 N	4.24 E	0.54	14.00	82.71 *
10100.00	9.69	82.71	10099.67	0.74 N	5.79 E	0.74		
10200.00	23.69	82.71	10195.21	4.37 N	34.22 E	4.37		
10300.00	37.69	82.71	10280.99	10.83 N	84.73 E	10.83		
10400.00	51.69	82.71	10351.89	19.73 N	154.33 E	19.73		
10500.00	65.69	82.71	10403.72	30.54 N	238.87 E	30.54		
10600.00	79.69	82.71	10433.39	42.62 N	333.33 E	42.62		
* 10673.59	90.00	82.71	10439.99	51.91 N	405.95 E	51.91	14.00	0.00 *
10700.00	90.00	82.71	10439.99	55.26 N	432.13 E	55.26		
10800.00	90.00	82.71	10439.99	67.94 N	531.33 E	67.94		
* 10864.34	90.00	82.71	10439.99	76.10 N	595.16 E	76.10	0.00	0.00 *
10900.00	91.78	82.71	10439.44	80.62 N	630.51 E	80.62		
* 10964.34	95.00	82.71	10435.63	88.77 N	694.22 E	88.77	5.00	0.00 *
11000.00	95.00	82.71	10432.52	93.28 N	729.45 E	93.28		
11100.00	95.00	82.71	10423.81	105.91 N	828.27 E	105.91		
11200.00	95.00	82.71	10415.09	118.55 N	927.08 E	118.55		
11300.00	95.00	82.71	10406.38	131.18 N	1025.90 E	131.18		
11400.00	95.00	82.71	10397.66	143.82 N	1124.71 E	143.82		
11500.00	95.00	82.71	10388.94	156.46 N	1223.53 E	156.46		
11600.00	95.00	82.71	10380.23	169.09 N	1322.34 E	169.09		
* 11637.11	95.00	82.71	10376.99	173.78 N	1359.01 E	173.78	0.00	0.00 *
* 11657.11	94.00	82.71	10375.43	176.31 N	1378.79 E	176.31	5.00	180.00 *
11700.00	94.00	82.71	10372.43	181.74 N	1421.23 E	181.74		
11800.00	94.00	82.71	10365.46	194.39 N	1520.18 E	194.39		
11900.00	94.00	82.71	10358.48	207.05 N	1619.13 E	207.05		
12000.00	94.00	82.71	10351.51	219.70 N	1718.08 E	219.70		
12100.00	94.00	82.71	10344.53	232.35 N	1817.03 E	232.35		
12200.00	94.00	82.71	10337.56	245.01 N	1915.98 E	245.01		
12300.00	94.00	82.71	10330.58	257.66 N	2014.93 E	257.66		
12400.00	94.00	82.71	10323.60	270.31 N	2113.88 E	270.31		
* 12437.41	94.00	82.71	10320.99	275.05 N	2150.90 E	275.05	0.00	0.00 *
12500.00	90.87	82.71	10318.34	282.98 N	2212.92 E	282.98		
* 12517.41	90.00	82.71	10318.20	285.19 N	2230.19 E	285.19	5.00	180.00 *
12600.00	90.00	82.71	10318.20	295.66 N	2312.11 E	295.66		
12700.00	90.00	82.71	10318.20	308.35 N	2411.30 E	308.35		
12800.00	90.00	82.71	10318.20	321.03 N	2510.50 E	321.03		
12900.00	90.00	82.71	10318.20	333.72 N	2609.69 E	333.72		
13000.00	90.00	82.71	10318.20	346.40 N	2708.88 E	346.40		
13100.00	90.00	82.71	10318.20	359.09 N	2808.07 E	359.09		

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SPERRY-SUN DRILLING SERVICES
INTERPOLATED PROPOSAL

Platform ... : LAND RIG
Slot/Well .. : 1 /ELKE

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG	TOOL FACE
13200.00	90.00	82.71	10318.20	371.77 N	2907.26 E	371.77		
13300.00	90.00	82.71	10318.20	384.45 N	3006.46 E	384.45		
13400.00	90.00	82.71	10318.20	397.14 N	3105.65 E	397.14		
13500.00	90.00	82.71	10318.20	409.82 N	3204.84 E	409.82		
13600.00	90.00	82.71	10318.20	422.51 N	3304.03 E	422.51		
13700.00	90.00	82.71	10318.20	435.19 N	3403.23 E	435.19		
13800.00	90.00	82.71	10318.20	447.88 N	3502.42 E	447.88		
13900.00	90.00	82.71	10318.20	460.56 N	3601.61 E	460.56		
14000.00	90.00	82.71	10318.20	473.25 N	3700.80 E	473.25		
14100.00	90.00	82.71	10318.20	485.93 N	3800.00 E	485.93		
* 14179.05	90.00	82.71	10318.20	495.96 N	3878.42 E	495.96	0.00	0.00 *

* = RECORDS CORRESPONDING TO START/END POINTS OF PROPOSAL SECTIONS.

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.
ALL COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.
THE VERTICAL SECTION ORIGIN IS WELL HEAD.
THE VERTICAL SECTION WAS COMPUTED ALONG 0.00 (TRUE).
CALCULATION METHOD: MINIMUM CURVATURE.

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SPERRY-SUN DRILLING SERVICES*Western Region**14 degree/100 BUILD ASSEMBLY**9 7/8" HOLE*

9 7/8"	BIT
6 3/4"	SPERRY-DRILL 1.75 degree bent HOUSING
9 5/8"	OFFSET MOTOR PAD
6 3/4"	CROSSOVER SUB (BORED FOR FLOAT)
6 3/4"	NON-MAGNETIC FLEX DRILL COLLAR
6 3/4"	M.W.D. HANG OFF SUB
2- 6 3/4"	NON-MAGNETIC FLEX DRILL COLLAR
6 3/4"	CROSSOVER SUB
AS REQ'D 5"	H.W.D.P.

This assembly will be used to drill the 60 plus feet of hole to casing point. The assembly will achieve greater than 14/100, but can be rotated to control build rates.

SPERRY-SUN DRILLING SERVICES

Western Region

6 1/2" HOLE BUILD ASSEMBLY

6 1/2" hole

6 1/2"	BIT
4 3/4"	SPERRY-DRILL 1.75 degree bent HOUSING
6 1/4"	OFFSET MOTOR PAD
4 3/4"	CROSSOVER SUB (BORED FOR FLOAT)
4 3/4"	M.W.D. HANG OFF COLLAR
2- 4 3/4"	NON-MAGNETIC FLEX DRILL COLLAR
4 3/4"	CROSSOVER SUB
3 1/2" OR 4"	H.W.D.P. 70 jts.

This assembly would be used to drill the remainder of the build section of the well to horizontal. The assembly will be capable of build rates greater than 14/100 but can be rotated to maintain the desired or required build rates needed to achieve horizontal.

SPERRY-SUN DRILLING SERVICES
Western Region

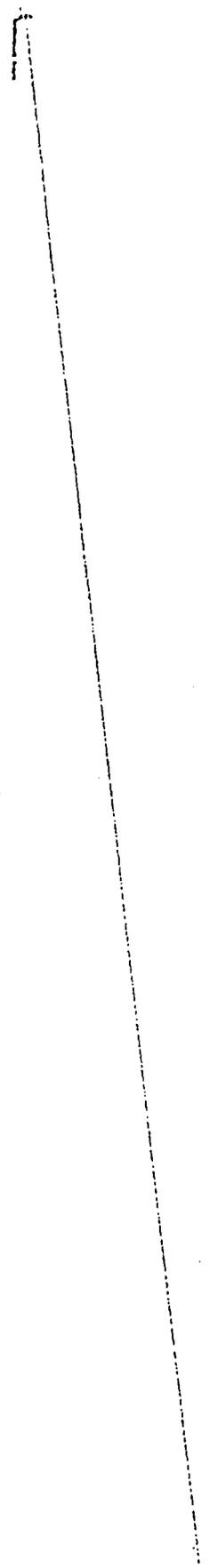
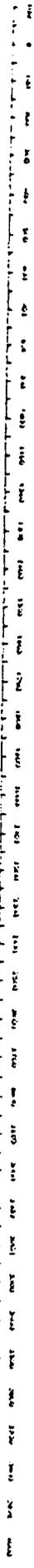
6 1/2" LATERAL HOLD ASSEMBLY
6 1/2" HOLE

6 1/2"	BIT
4 3/4"	SPERRY-DRILL 1.25 degree bent HOUSING
4 3/4"	CROSSOVER SUB (BORED FOR FLOAT)
4 3/4"	M.W.D. HANG OFF COLLAR
2- 4 3/4"	NON-MAGNETIC FLEX DRILL COLLAR
4 3/4"	CROSSOVER SUB
3 1/2"	DRILL PIPE 25 jts.
3 1/2" OR 4"	H.W.D.P. 70 jts.
3 1/2"	DRILLPIPE TO SURFACE

This assembly would be used to drill the lateral section of the well. The assembly on a full single (30ft.) slide is capable of 5-6 degree build rates. This assembly will be used for the entire lateral section. The hole angle with this assembly and balance point drilling can be controlled by adjusting the weight on bit and rotary r.p.m. The assembly has drilled up to 1500' without making a set or slide for angle in North Dakota and in the Silo field.

Scale 1 : 10000

East =>



North

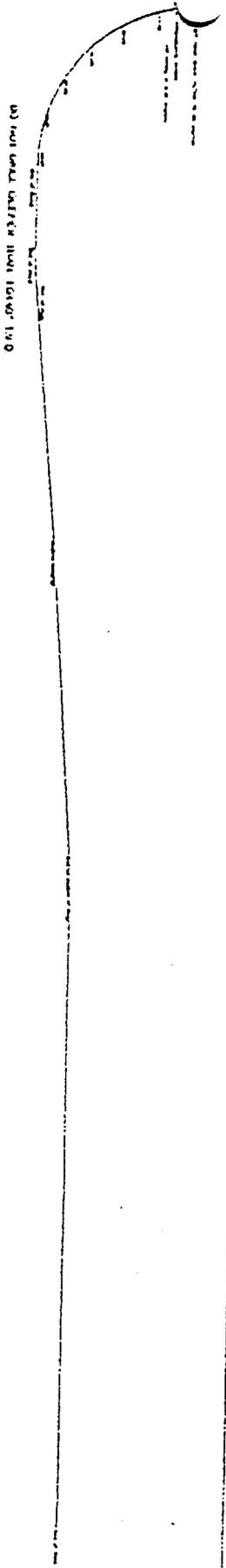
U.P.R.C.

Location : ELKIORN UPRR 19-2X

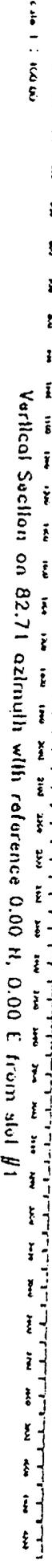
Field : SUMMIT COUNTY, UTAH

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SURFACE LOCATION: 1950' FWL & 660' FWL OF SECTION 19--12N--R7E
 BOTTOM HOLE LOCATION: 1450' FWL & 660' FWL (14570 FWL) OF SECTION 19--12N--R7E



80 Feet Level Under 1940' 19.0



Vertical Section on 82.71 azimuth with reference 0.00 H, 0.00 E from stail #1

TWIN CREEK GEOLOGIC PROGNOSIS

WELL: UPRR 19-2X

LOCATION: 1945 FNL 665 FWL

Sec 19-2N-7E Summit Co. UT

BOTTOM HOLE LOCATION: 1450 FNL 660 FEL Sec 19

UPDIP OR DOWNDIP

TARGET: Lower 90' Watton Cyn THICKNESS: 90'

DIP: -16° (0-500' vs), -9° (500-800' vs), -6° (800-1400' vs), -4° (1400-2200), Flat

LATERAL LENGTH: 3900 AZIMUTH: N 82 E

FORMATION/MEMBER VERTICAL DEPTH SUBSEA

FORMATION/MEMBER	VERTICAL DEPTH	SUBSEA
Tertiary	Surface	
Frontier	1922	
Aspen	3568	
Kelvin	3903	
Stump	6842	
Preuss	7513	
Salt	8958	
Base Salt	9560	
Giraffe Crk (Twin Creek)	9642	
Leeds Crk	10090	
Watton Cyn	10476	
Boundary Rdg	10687	
Rich	10781	
Sliderock	10989	
Gyp Springs	11059	
Nugget	11104	

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Baroid Drilling Fluids, Inc.

June 30, 1993

Mr. Bill Charles
UNION PACIFIC
RESOURCES COMPANY
Fort Worth, Texas

Re: Elkhorn Ridge - Horizontal Twin Creek

Please find attached general program for your proposed well.

The upper hole polymer mud can be converted to salt saturated without modification.
Baroid can provide bulk salt/handling system.

I would be glad to meet with you in Fort Worth to discuss this project in detail.

Sincerely,

Don Vesely
Technical Services Mgr.
Rocky Mountains
303/825-5712

DV:kl
enclosure

cc: Jack Beasley

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BAROID DRILLING FLUIDS
Recommended Mud Program

* UNION PACIFIC RESOURCES COMPANY *

UPRR D-2X
Section 19-T2N-R7E
Summit County, Utah

Horizontal Twin Creek Test

June 29, 1993

PREPARED FOR:

Mr. Bill Charles
UNION PACIFIC RESOURCES CO.
Fort Worth, Texas

PREPARED BY:

Don Vesely
Tech. Services Manager
Baroid Drilling Fluids
Denver, Colorado
303/825-5712

cc: UNION PACIFIC RESOURCES CO.

Baroid - Denver
Baroid - Evanston
Baroid - Dallas

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SYNOPSIS

This mud program is based on twelve (12) reference wells in the general area of the proposed well.

Problems noted on reference wells include:

- 1) Occasional water flows in the Frontier.
- 2) Salt in the Pruess with possible casing collapse.
- 3) Loss of circulation to fractures in the Twin Creek.

Briefly, the recommended program is as follows:

0 to 2,500 Feet	AQUAGEL®/EZ-MUD®. Mud-up if water flow is encountered (9.2 - 9.4 ppg).
2,500 to 8,960 Feet	Fresh water DEXTRID®/Drispac with EZ-MUD®/AQUAGEL®.
8,960 to 10,100 Feet	Saturate with salt and add Calgon. Adjust viscosity and flow rates for laminar flow.
10,100 to Total Depth	Discard salt mud or water back. Use fresh water DEXTRID®/Drispac with XC Polymer. Use ENVIRO-TORQ™ if torque /drag becomes a problem.

ENVIRO-TORQ™ lubricant is suggested to alleviate torque and drag caused by deviation and is compatible with the proposed systems. We are recommending a 2 ppb treatment while drilling the Twin Creek if this becomes a problem.

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SYNOPSIS

(continued)

In addition to the proposed systems, we suggest a full suite of solids control equipment including a mud cleaner and high volume centrifuge.

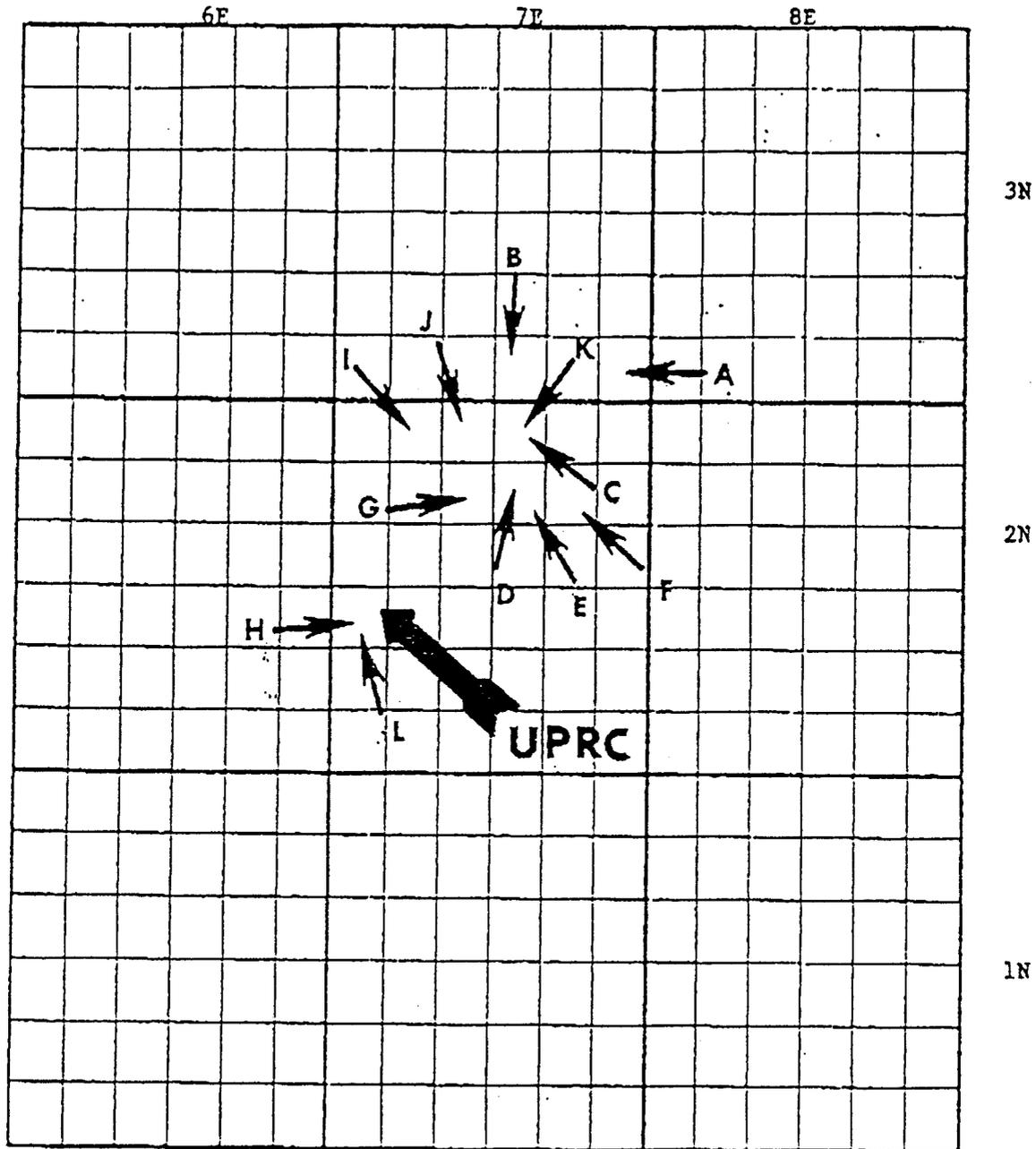
Using this approach, we estimate this well can be drilled in 80 days for a mud

~~_____~~ ~~_____~~

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REFERENCE WELL MAP

SUMMIT COUNTY, UTAH



BAROID DRILLING FLUIDS



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REFERENCE WELLS

A.	Amoco Section 36-T3N-R7E	#1 Haynes
B.	American Quasar Section 34-T3N-R7E	UPRR 34-1
C.	American Quasar Section 3-T2N-R7E	UPRR 3-9
D.	American Quasar Section 10-T2N-R7E	10-1 Bingham
E.	American Quasar Section 10-T2N-R7E	10-2 Bingham
F.	American Quasar Section 11-T2N-R7E	11-1 UPRR
G.	Champlin Section 9-T2N-R7E	#1 Newton & Sons Sheep
H.	American Quasar Section 19-T2N-R7E	19-1 UPRR D.R. U-79
I.	Occidental Section 5-T2N-R7E	#1 Pineview D.R. U-7
J.	American Quasar Section 4-T2N-R7E	#1 Newton Sheep D.R. U-20
K.	American Quasar Section 3-T2N-R7E	3-2 UPRR D.R. U-69
L.	American Quasar Section 19-T2N-R7E	UPRR 19-2

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PINE VIEW/ELKHORN RIDGE AREA
SUMMARY OF REFERENCE WELLS

<u>WELL</u>	<u>YEAR</u>	<u>DEPTH</u>	<u>DAYS</u>	<u>CASING</u>	<u>*REMARKS</u>
A.	1981	13,933'	371	13 3/8" @ 2,475' 9 5/8" @ 8,701' 7 5/8" @ 10,950'	Attempted to directional drill. Stuck & plugged back or 4 times. Shale instability and problems in the salt
B.	1977	10,850'	93	9 5/8" @ 1,515'	No severe drilling problems. Wash-out salt section. Deviation to 12 degrees.
C.	1981	10,101'	99	9 5/8" @ 1,493'	Water flow @ 6,925'. Stuck & fish at 7,175'. Tilt and bridges noted.
D.	1976	10,380'	74	9 5/8" @ 2,500'	Stuck pipe in Nugget @ 9,889' & 10,108'.
E.	1977	10,410'	74	9 5/8" @ 1,467'	No major problems on this well.
F.	1977	10,650'	119	9 5/8" @ 2,704'	Stuck pipe in Nugget, PB & WS.
G.	1976	11,330'	111	9 5/8" @ 2,535'	Tight hole in salt section.
H.	1977	11,504'	125	9 5/8" @ 1,510'	L/C in surface hole. L/C & stuck pipe in Twin Cree Problems logging.
I.	1971	10,527'	98	13 3/8" @ 1,000'	Upper hole shale problems.
J.	1973	14,500'	400	13 3/8" @ 1,708' 9 5/8" @ 10,970'	Water flow in surface hole. L/C in Twin Creek. Stuck pipe several times in the Nugget.
K.	1975	17,030'	477	13 3/8" @ 3,278' 9 5/8" @ 10,472' 7" @ 15,935'	For Nugget test only. Water flow in surface hole. No major problems. 140 days to 10,472'.
L.	1978	11,419'	127	9 5/8" @ 1,915'	Stuck pipe in Salt and Nugget.

*All wells experienced deviation problems/slow drilling rates.

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RECOMMENDED MUD PROGRAM

Date June 29, 1993

Prepared By: Don Vesely, Tech. Services Mgr. - Denver, Colorado (303) 825-5712

LOCAL BAROID PERSONNEL

Field Service Rep. To be assigned

Business Unit Manager David Cunningham - Denver, Colorado (303) 825-5712

Baroid Service Center Nearest to Well:

Evanston, Wyoming Phone No. (307) 789-3761

This Store has:

- Bulk BAROID®
- Complete Stock Sack Materials
- Corrosion Treating Chemicals
- Delivery Service
- Liquid Mud
- Radio Communication
- Store Lab
- Mineral Oil
- 24-Hour Answering Service

Prepared For:
Mr. Bill Charles
UNION PACIFIC RESOURCES CO.
Forth Worth, Texas
Well UPRR D-2X
County Summit State Utah

CONFIDENTIAL

BAROID DRILLING FLUIDS, INC.

RECOMMENDED MUD PROGRAM

Company UNION PACIFIC RESOURCES COMPANY Date June 29, 1993
 Well Name and Number UPRR D-2X Proposed Depth Unspecified
 Location Section 19-T2N-R7E County Summit State Utah
 Casing: Surf. 13 3/8" @ 2,500' Inter. 9 7/8" @ 10,100'

RECOMMENDED MUD PROPERTIES

Depth Feet	Weight lb/gal	Visc. Sec.	Filtrate ml	pH	PV cp.	YP lbs/100 ft ²	Solids %
0	8.6	35	10	8	5	6	2
to	to	to	to	to	to	to	to
2,500'	9.2*	60	20	10	15	12	5

Use AQUAGEL[®], and EZ-MUD[®] for viscosity. Supplement filtration control with Drispac only if needed. Use caustic soda for pH. Treat for bacteria, if present with Aldacide.

2,500'	8.7	35	8	9.5	6	6	2
to	to	to	to	to	to	to	to
8,960'	8.9	45	10	10.5	12	12	4

Mud-up with 3 ppb DEXTRID[®] and 1/2-1 ppb Drispac. Adjust viscosity with EZ-MUD[®]/AQUAGEL[®]. Add nitrate if desired by the Geologist. Use X-Cide 207 for a biocide.

8,960'	10.2	50	8	9.5	12	10	15
to	to	to	to	to	to	to	to
10,100'	10.5	60	10	10.5	20	20	18

Saturate system with bulk salt. Use ZEOGEL[®] and/or XC Polymer to adjust viscosity for laminar flow. Add Calgon Y-55L to supersaturate. Add 2-4 ppb ENVIRO-TORQ[®] to increase lubricity if needed.

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BAROID DRILLING FLUIDS, INC.

RECOMMENDED MUD PROGRAM
(continued)

Company UNION PACIFIC RESOURCES COMPANY Date June 29, 1993
Well Name and Number UPRR D-2X Proposed Depth Unspecified
Location Section 19-T2N-R7E County Summit State Utah
Casing: Surf. 13 3/8" @ 2,500' Inter. 9 7/8" @ 10,100'

RECOMMENDED MUD PROPERTIES

Depth Feet	Weight lb/gal	Visc. Sec.	Filtrate ml	pH	PV cp.	YP lbs/100 ft ²	Solids %
10,100'	8.6	35	8	9.5	6	6	2
to	to	to	to	to	to	to	to
Total Depth	8.9	45	12	10.5	12	12	4

If pipe is set in the Twin Creek, water back salt system. Mix DEXTRID®/ Drispac as in interval 2,500' - 8,960' for filtrate if needed. Use XC Polymer for viscosity/yield point as needed. Use 2 ppb ENVIRO-TORQ® for torque or drag.

Estimated Cost of Mud Materials: ~~5,700.00 - 4,300.00 (Before Discounts)~~

The above recommendations are statements of opinion only, and are made without any warranty of any kind as to performance and without assumption of any liability by Baroid Corporation, or its agents.

CONFIDENTIAL

Dowell Schlumberger Incorporated
777 Main Street, Suite 890
Fort Worth, Texas 76102
(817) 870-9040
(817) 429-3134 (metro)
(817) 335-3309 (fax)

Cementing™

WELL CEMENTING RECOMMENDATION
for 13 3/8 inch Surface

UNION PACIFIC RESOURCES

Well : UPRR Elkhorn 19-2X

Field : Pineview

Summit Utah

USA

Prepared for:

Mr. Bill Charles

DS Service Point:

Rock Springs, Wyoming

Business Phone Nr.:

(307) 362-3621 contact: Doug Chivers

Proposal Nr.:

Orig. 6-30

Prepared by:

Edsel Burnside

Phone Nr.:

(817) 870-9040

Date:

June 29, 1993

Disclaimer Notice

This information is presented in good faith, but no warranty is given and Dowell Schlumberger assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. Freedom from patents of Dowell Schlumberger or others is not to be inferred.

Cementing TM
Well Cementing Recommendation

Client : UNION PACIFIC RESOURCE
Casing : 13 3/8 inch Surface
Well : UPRR Elkhorn 19-2X
Field : Pineview
County : Summit
State : Utah
Rig Name : SST 56

June 29, 1993

Union Pacific Resources
801 Cherry St.
Fort Worth, Texas 76102

Attn: Mr. Bill Charles

Subject: UPRR Elkhorn 19-2X

Dear Bill,

Enclosed is Dowell's cementing recommendation for your well in Summit county Utah. The following information includes the material descriptions and pumping procedures for the proposed strings.

Please note that the proposed cement systems are based on information from previous treatments in the area. Before any of these systems are pumped for UPR a test using actual mix water and current cements and additives will be performed. The systems may require minor adjustments to meet the specific well conditions at the time of cementing.

Again, thank you for considering Dowell Schlumberger for this project and we are looking forward in assisting Union Pacific Resources on this as well as other projects. If further information is needed, please call me at (817) 870-9040.

Yours truly,

Edsel Burnside
Sales Engineer

777 Main Street, Suite 890 Fort Worth, Texas 76102.
Telephone No. (817) 870-9040, Fax: (817) 335-3309

Well Description for 13 3/8 in Surface

- Anticipated Hole conditions
 - Open hole: 0 to 2500 feet with 17 1/2 inch bit
 - Excess factor: 120%
 - Mud weight: 9.0 ppg natural fresh mud
- Casing Configuration
 - Casing size: 13 3/8 inch 8rd, 54.5 from surface to TD
- Fill up calculations
 - Lead system: 2,310 feet * .6946 cf/ft * 2.20 excess = 3,530cf
 - Slurry volume: 3,530 cf / 1.79 cf/sx = 1,975 sacks (approx.)
 -
 - Tail system: 190 feet * .6946 cf/ft * 2.2 excess = 290 cf
 - Slurry volume: 290 cf / 1.16 cf/sx = 250 sacks (approx.)

Fluid Descriptions

- Washes and Spacers
 - 20 bbls fresh water to precede cement

Lead Cement system	Additives	Performance			
		Weight (ppg)	Yield (ft ³)	Mix water (gals/sx)	Other tests
Lead cement system 1,975 sacks of 35:65 POZ:'G'	6.0% D20, Bentonite 2.0% S1, CACL 0.25 lbs/sx D29 Celloflake	12.7 ppg	1.79 cf/sx	9.44 gps	Pump Time 4:00 hrs
Tail Slurry 250 sacks of Class 'G' cement	0.25 lbs/sx D29 Celloflake	15.8 ppg	1.16 cf/sx	5.02 gps	Pump Time 2:30 hrs

Dowell Schlumberger Incorporated
777 Main Street, Suite 890
Fort Worth, Texas 76102
(817) 870-9040
(817) 429-3134 (metro)
(817) 335-3309 (fax)

Cementing™

WELL CEMENTING RECOMMENDATION
for 7 5/8 inch Intermediate

UNION PACIFIC RESOURCES

Well : UPRR Elkhorn 19-2X
Field : Pineview
Summit Utah
USA

Prepared for: Mr. Bill Charles

DS Service Point: Rock Springs, Wyoming
Business Phone Nr.: (307) 362-3621 contact: Doug Chivers

Proposal Nr.: Original 6-29
Prepared by: Edsel Burnside
Phone Nr.: (817) 870-9040

Date: June 30, 1993

Disclaimer Notice

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Cementing TM
Well Cementing Recommendation

Client : UNION PACIFIC RESOURCE
Casing : 7 5/8 inch Intermediate
Well : UPRR Elkhorn 19-2X
Field : Pineview
County : Summit
State : Utah
Rig Name : SST 56

June 30, 1993

Union Pacific Resources
801 Cherry St.
Fort Worth, Texas 76102

Attn: Mr. Bill Charles

Subject: UPRR Elkhorn 19-2X

Dear Bill,

Enclosed is Dowell's cementing recommendation for your Well in, Summit co. Utah. The following information includes the material descriptions and pumping procedures for the proposed strings.

Please note that the proposed cement systems are based on information from previous treatments in the area. Before any of these systems are pumped for UPR a test using actual mix water and current cements and additives will be performed. The systems may require minor adjustments to meet the specific well conditions at the time of cementing.

Again, thank you for considering Dowell for this project and we are looking forward in assisting Union Pacific Resources on this as well as other projects. If further information is needed, please call me at (817) 870-9040.

Yours truly,

Edsel Burnside
Sales Engineer

777 Main Street, Suite 890 Fort Worth, Texas 76102.
Telephone No. (817) 870-9040, Fax: (817) 335-3309

CONFIDENTIAL

Cementing
Well Cementing Recommendation

Client : UNION PACIFIC RESOURCE
 Casing : 7 5/8 inch Intermediate
 Well : UPRR Elkhorn 19-2X
 Field : Pineview
 County : Summit
 State : Utah
 Rig Name : SST 56

Well Description for 7 5/8 in Intermediate

- Anticipated Hole conditions
 - Open hole: 0 to 10,100 feet with 9 7/8 inch bit
 - Excess factor: 50%
 - Mud weight: 10.0 ppg Salt Saturated mud
- Casing Configuration
 - Casing size: 7 5/8 inch N80, 8rd, from surface to 10,100
- Fill-up Calculations
 - Tail system : 3,100 ft * .2148 cft/ft * 1.5 excess = 1000 cf
 - Tail slurry : 1000 cf / 1.22 cf/sx = 825 sacks

Fluid Descriptions

- Washes and Spacers
 - 150 bbls Salt water
 - 20 bbls CW100 to precede cement

Cement systems	Additives	Performance			
		Weight (ppg)	Yield (ft ³)	Mix water (gals/sx)	Other tests
Cement system 825 sacks of Class 'G'	0.75 g/s D604AM, Saltbond II 24% D44, Salt(BWOW) 0.03 g/s M45, Defoamer	16.2	1.22 cf/sx	5.53 gps	Pump Time 4:00 Fluid Loss 190 cc

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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 15, 1993

Union Pacific Resources Company
P.O. Box 7, MS 3407
Fort Worth, Texas 76101-0007

Gentlemen:

Re: UPRR #1 H 19-2X Well, 1945' FNL, 660' FWL, SW NW, Sec. 19, T. 2 N., R. 7 E.,
Summit County, Utah

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. Submittal to the division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. § 73-3, Appropriations, prior to commencing drilling operations.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
3. Notification within 24 hours after drilling operations commence.
4. 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.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.
6. 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 R.J. Firth, Associate Director, (Home) (801)571-6068.



Page 2
Union Pacific Resources Company
UPRR #1 H 19-2X Well
July 15, 1993

7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

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 43-043-30300.

Sincerely,


R.J. Firth
for R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: Bureau of Land Management
Summit County Assessor
J.L. Thompson
WO11

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: UPRC

WELL NAME: 1-H ELKHORN 19-2X

Section 19 Township 2N Range 7E County SUMMIT

Drilling Contractor SST

Rig # 56

SPUDED: Date 7/5/93

Time 11:00 PM

How ROTARY

Drilling will commence _____

Reported by DON PRESENKONSKI

Telephone # 1-336-2095

Date 7/6/93 SIGNED FRM

*Verbal given to spud well
on 29th of June by Jim Thompson
J. Mathew*

REPORT NO. : 7 DAYS FROM SPUD: 7 A.F.E. NO. : 015506
 CONTRACTOR: SST RIG #56 DEPTH : 1645 HOLE MADE : 226
 AFE TD/DHC/CWC : 14340 / \$ 2000 / \$ 2250 OART: DRILLING @ 1645' IN 50% SANDSTN./40% SHALE/10% CLAY

MUD							
Weight : 9.0	Visc. : 49	Gels. : 14/30	PV/YP : 10/15	WL : 15.20	Cake : 2.0		
HTMPWL :	PH : 8.5	PF/MF : 0.20/0.25	CI : 800	SAND : 0.01	Solids : 4.6		
BKGD Gas :	Trip Gas :	Conn Gas :	MBT :	OWR :	Ca : 60		
ELEC STAB :	K* :	LCM :	LOW GRAVITYX :				
Mud Material Mixed: 6-GEL (MILPARK) 1-TAX 143-GEL (BAROID) 25-LIME (MILPARK)							
Mud Daily/Cum Cost : \$ 932 / 6079				Brine Daily/Cum Cost : \$ /			
Daily/Cum Mud Lost to Hole: / bbls.				Daily/Cum Water Lost to Hole: / bbls.			

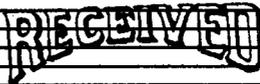
PUMPS										
No. 1 Liner Size	6.000	X	9.25	SPM	100	GPH	323	AV DP	56.2	MIN. PRESS: 1400
No. 2 Liner Size	6.000	X	9.25	SPM	100	GPH	323	AV DC	74.9	MAX. PRESS: 1500

BITS											
Bit No.	4	Size	17.500	Manuf.	REED	Type	Y11JC	Serial No.	D67744		
Bit In	1399	Bit Out		Ftg.	246	Hours	23.50	FPH	10		
Bit Wt.	15 / 30	RPM	120 / 130	Bit Jets	16 16 16 14	JV	28111	O:	D:	L:	B: G: S: R:
Bit No.		Size		Manuf.		Type		Serial No.			
Bit In		Bit Out		Ftg.		Hours		FPH			
Bit Wt.	/	RPM	/	Bit Jets		JV		O:	D:	L:	B: G: S: R:
Stack Off Wt.	97	Pickup Wt.	97	Rotary Wt.	97	Torque	160				

SURVEY								
SURVEY MD	ANGLE	TVD	DIR.	VERTICAL SECTION	N/S	COORDINATES	E/W	DOGLEG
273	0.75	272.97	0.00	3.16		3.16	0.00	0.20
426	0.25	425.97	0.00	4.50		4.50	0.00	0.32
572	1.50	571.95	0.00	6.73		6.73	0.00	0.85
667	0.50	666.93	0.00	8.39		8.39	0.00	1.05
822	2.25	821.88	0.00	12.11		12.11	0.00	1.12
883	1.25	882.85	0.00	13.97		13.97	0.00	1.63
974	1.50	973.83	0.00	16.15		16.15	0.00	0.27
1036	1.50	1035.80	0.00	17.77		17.77	0.00	0.00
1098	2.00	1097.78	0.00	19.67		19.67	0.00	0.80
1162	1.75	1161.74	0.00	21.76		21.76	0.00	0.39
1255	1.50	1254.70	0.00	24.40		24.40	0.00	0.26
1317	0.50	1316.69	0.00	25.48		25.48	0.00	1.61
1378	1.50	1377.68	0.00	26.55		26.55	0.00	1.63
1462	1.00	1461.66	0.00	28.38		28.38	0.00	0.59
1524	1.00	1523.65	0.00	29.46		29.46	0.00	0.00
1556	1.25	1555.65	0.00	30.09		30.09	0.00	0.78
1587	1.25	1586.64	0.00	30.76		30.76	0.00	0.00
1617	0.75	1616.64	0.00	31.29		31.29	0.00	1.66

BHA			
Qty	Description	O.D.	Length
1	REED Y11JC BIT	17.500	1.50
1	BIT SUB	9.938	2.58
1	10" SHOCK SUB	10.000	9.52
2	10" STEEL DCS	9.750	58.32
1	STRING IBS	10.000	6.03
1	10" STEEL DC	9.750	30.92
1	STRING IBS (X/O CONN.)	8.875	5.05
6	8" STEEL DCS.	8.000	172.41
1	CROSSOVER	6.500	2.23
9	6 1/2" STEEL DC	6.500	267.09
1	CROSSOVER	7.000	2.27
TOTAL BHA LENGTH : 557.92			

LAST CASING / BOP					
Size:	20.000	Wt.:		Grade:	
Connection:		Depth:	74	FIT:	
LAST BOP Test Date:	01/04/80	Accidents:	N	Pollution:	N

HRS		ACTIVITY LAST 24 HOURS	
3.50	DRILL 1419-1472' - 130 RPM/15M# WOB		
0.50	WIRELINE SURVEY @ 1462' - 1 DEG.		
8.00	DRILL 1472-1534' - 130 RPM/18M# WOB		
0.50	WIRELINE SURVEY @ 1524' - 1 DEG.		
3.50	DRILL 1534-1566' - 130 RPM/20M# WOB		
0.50	WIRELINE SURVEY @ 1556' - 1 1/4 DEG.		
2.00	DRILL 1566-1597' - 120 RPM/22M# WOB		
0.50	WIRELINE SURVEY @ 1587' - 1 1/4 DEG.		
3.00	DRILL 1597-1627' - 120 RPM/25M# WOB		
0.50	WIRELINE SURVEY @ 1617' - 3/4 DEG.		
1.50	DRILL 1627-1645' - 120 RPM/30M# WOB		
DRILLING 50% CLAY/50% SHALE WITH INTERMITTENT TRACES OF SANDSTONE & SILTSTONE 1419-1500', SHAKER SAMPLES GROWING GRADUALLY FIRMER, LESS NOTICEABLE CLAY THROUGHOUT DAY; 20% CLAY/60% SHALE/20% SANDSTONE 1500-1560', 10% CLAY/40% SHALE/50% SANDSTONE 1560-1645', DUMPING SHALE TANK EVERY 6 HRS., RUNNING 1" STREAM OF WATER TO CONTROL MUD WT, NO MUD LOSSES OBSERVED LAST 24 HRS.			
DRLG./24 HRS.:21.5 HRS./CUM.:127.5 HRS.\\FUEL/ 24 HRS.:0 GALS./CUM.:8550 GALS.			
RECEIVED ADDITIONAL 34 JTS. OF 13 3/8" CASING FROM SILO FIELD YARD 7/11/93. NOW HAVE TOTAL OF 66 JTS. 13 3/8". 54.5#, J-55, STC CASING ON LOCATION.			
WEATHER: CLEAR, 5 MPH WIND/W, 62 DEG. F.\\LOC. & ACCESS: GOOD			
			
JUL 14 1993			
DIVISION OF OIL GAS & MINING			
HRS 24.0	Drlg. Foreman : PRESENKOWSKI/CHARLES		

COST SUMMARY		
CODE	DESCRIPTION	COSTS
15	DRILLING - DAYWORK	4776.0
17	CONTRACT SUPERVISION	550.0
19	MUD AND CHEMICALS	932.3
46	TRANS. 13 3/8" CSG.	2721.0
48	COMMUNICATIONS	75.0
61	CONTINGENCY @ 5%	483.0
70	RENTALS - SURFACE	351.0
71	RENTALS - DOWNHOLE	250.0
Total Daily Cost :		10138.3
Cum. Cost to Date:		174139.5

CONFIDENTIAL

REPORT NO. : 5 DAYS FROM SPUD: 5 A.F.E. NO. : 015506
 CONTRACTOR: SST RIG #56 DEPTH : 1207 HOLE MADE : 257
 AFE TD/DHC/CWC : 14340 / \$ 2000 / \$ 2250 GART: DRILLING @ 1207' IN 50% CLAY, 50% SHALE

MUD							
Weight : 9.1	Visc. : 51	Gels. : 25/50	PV/YP : 10/15	WL : 20.00	Cake : 2.0		
HHPWL :	PH : 9.0	PF/MF : / 0.20	Cl : 1500	SAND : 0.01	Solids : / 6.0		
BKGD Gas :	Trip Gas :	Conn Gas :	MBT :	OWR :	Ca : 80		
ELEC STAB: K+		LCM :	LOW GRAVITYX:				
Mud Material Mixed: 193-GEL 4-LINE 1-TAX							

Mud Daily/Cum Cost : \$ 1074 / 4528 Brine Daily/Cum Cost : \$ /
 Daily/Cum Mud Lost to Hole: / bbls. Daily/Cum Water Lost to Hole: / bbls.

PUMPS										
No. 1 Liner Size	6.000	X	9.25	SPM	100	GPM	323	AV DP	56.2	MIN. PRESS: 1400
No. 2 Liner Size	6.000	X	9.25	SPM	100	GPM	323	AV DC	74.9	MAX. PRESS: 1400

BITS									
Bit No.	3	Size	17.500	Manuf.	REED	Type	Y11JC	Serial No.	R09020
Bit In	987	Bit Out		Ftg.	220	Hours	13.00	FPH	16
Bit Wt.	15 / 20	RPM	120 / 130	Bit Jets	16 16 16 14	JV	2811: 0: 0: L: B: G: S: R:		
Bit No.	2	Size	17.500	Manuf.	REED	Type	S51J	Serial No.	D07402
Bit In	333	Bit Out	987	Ftg.	654	Hours	51.50	FPH	12
Bit Wt.	20 / 20	RPM	120 / 120	Bit Jets	18 18 18	JV	2211: 3 0:4 D:WT L: A:B:F G:4 S:CT R: PR		
Slack Off Wt.	92	Pickup Wt.	92	Rotary Wt.	92	Torque	160		

SURVEY								
SURVEY MD	ANGLE	TVD	DIR.	VERTICAL SECTION	N/S	COORDINATES	F/W	DOGLEG
0	0.00	0.00	0.00	0.00		0.00	0.00	0.00
153	1.00	152.99	0.00	1.33		1.33	0.00	0.65
273	0.75	272.97	0.00	3.16		3.16	0.00	0.20
426	0.25	425.97	0.00	4.50		4.50	0.00	0.32
572	1.50	571.95	0.00	6.73		6.73	0.00	0.85
667	0.50	666.93	0.00	8.39		8.39	0.00	1.05
822	2.25	821.88	0.00	12.11		12.11	0.00	1.12
883	1.25	882.85	0.00	13.97		13.97	0.00	1.63
974	1.50	973.83	0.00	16.15		16.15	0.00	0.27
1036	1.50	1035.80	0.00	17.77		17.77	0.00	0.00
1098	2.00	1097.78	0.00	19.67		19.67	0.00	0.80
1162	1.75	1161.74	0.00	21.76		21.76	0.00	0.39

BHA			
Qty	Description	O.D.	Length
1	REED S51J BIT	17.500	1.50
1	BIT SUB	9.938	2.58
1	10" SHOCK SUB	10.000	9.52
2	10" STEEL DCS	9.750	58.32
1	STRING IBS	10.000	6.03
1	10" STEEL DC	9.750	30.92
1	STRING IBS (X/O CONN.)	8.875	5.05
6	8" STEEL DCS.	8.000	172.41
1	CROSSOVER	6.500	2.23
9	6 1/2" STEEL DC	6.500	267.09
1	CROSSOVER	7.000	2.27
TOTAL BHA LENGTH : 557.92			

LAST CASING / BOP					
Size:	20.000	Wt.:		Grade:	
Connection:		Depth:	74	FIT:	
LAST BOP Test Date:	01/04/80	Accidents:	N	Pollution:	N

HRS		ACTIVITY LAST 24 HOURS
3.00	DRILL 950-987' - 120 RPM/20M# WOB - DRILLING 50% CLAY, 50% SHALE, TRACE OF SANDSTONE - ROP DROPPING TO 12-15 MPF.	
0.50	CIRCULATE - BOTTOMS UP PRIOR TO TOH	
3.00	TOH - TRIP FOR BIT #3, NO DRAG, TOP & BOTTOM IBS BOTH 1/4" UNDER GAUGE, C/O BIT.	
1.00	SLIP & CUT DRILL LINE - 90'	
1.00	TIN - TIGHT @ 930'	
0.50	WASH/REAM - OUT OF GAUGE HOLE 930-TD.	
1.00	DRILL 987-1005 - 120 RPM/20M# WOB - DRILLING 50% CLAY, 50% SHALE, TRACE OF SANDSTONE.	
0.50	WIRELINE SURVEY @ 974' - 1 1/2 DEG.	
3.00	DRILL 1005-1067' - 120 RPM/20M# WOB - DRILLING 50% CLAY, 50% SHALE, TRACE OF SANDSTONE.	
0.50	WIRELINE SURVEY @ 1036' - 1 1/2 DEG.	
3.00	DRILL 1067-1129' - 120 RPM/20M# WOB - DRILLING 50% SHALE, 50% CLAY.	
0.50	WIRELINE SURVEY @ 1098' - 2 DEG.	
5.00	DRILL 1129-1193' - 130 RPM/15M# WOB - DRILLING 50% SHALE, 50% CLAY.	
0.50	WIRELINE SURVEY @ 1162' - 1 3/4 DEG.	
1.00	DRILL 1193-1207' - 130 RPM/15M# WOB - DRILLING 50% SHALE, 50% CLAY.	
HAVING TO RUN STEADY 2" STREAM OF WATER, DUMP SHALE PIT EVERY 2 HRS, TO CONTROL MUD WEIGHT/CLAY BUILD UP, NO MUD LOSSES OBSERVED, NO BOULDERS ENCOUNTERED LAST 24 HRS.		
DRLG./24 HRS.:16.0 HRS./CUM.:86.5 HRS.\\FUEL/ 24 HRS.:0 GALS./CUM.:8550 GALS.		
WEATHER: CLEAR, CALM, 55 DEG, F./LOC. & ACCESS: GOOD.		
RECEIVED		
JUL 14 1993		
HRS 24.0	Drlg. Foreman : PRESENKOWSKI/CHARLES	

COST SUMMARY		
CODE	DESCRIPTION	COSTS
15	DRILLING - DAYWORK	4776.0
17	CONTRACT SUPERVISION	500.0
18	BIT #3	6340.0
19	MUD AND CHEMICALS	1074.2
21	WATER	68.0
46	TRANSPORT. - LAND	507.0
48	COMMUNICATIONS	75.0
61	CONTINGENCY @ 5%	712.0
70	RENTALS - SURFACE	651.0
71	RENTALS - DOWNHOLE	250.0
Total Daily Cost		15037.2
Cum. Cost to Date:		15037.5

RECEIVED

JUL 14 1993

DIVISION OF OIL GAS & MINING

CONFIDENTIAL

REPORT NO. : 4 DAYS FROM SPUD: 4 A.F.E. NO. : 015506
 CONTRACTOR: SST RIG #56 DEPTH : 950 HOLE MADE : 220
 AFE TD/DHC/CWC : 14340 / \$ 2000 / \$ 2250 OART: DRILLING @ 950' IN BOX CLAY, 20% SHALE

MUD							
Weight : <u>9.1</u>	Visc. : <u>50</u>	Gels. : <u>20/40</u>	PV/YP : <u>5/20</u>	WL : <u>30.00</u>	Cake : <u>3.0</u>		
KHPWL : <u> </u>	PH : <u>9.5</u>	PF/MF : <u>0.10/0.20</u>	CI : <u>2300</u>	SAND : <u>0.01</u>	Solids : <u> </u> / <u>6.0</u>		
BKGD Gas : <u> </u>	Trip Gas : <u> </u>	Conn Gas : <u> </u>	MBT : <u> </u>	OWR : <u> </u>	Ca : <u>80</u>		
ELEC STAB : <u> </u>	K+ : <u> </u>	LCM : <u> </u>	LOW GRAVITYX : <u> </u>				

Mud Material Mixed: 2-LINE T-TAX
 Mud Daily/Cum Cost : \$ 15 / 3454 Brine Daily/Cum Cost : \$ /
 Daily/Cum Mud Lost to Hole: / bbls. Daily/Cum Water Lost to Hole: / bbls.

PUMPS										
No. 1 Liner Size	<u>6.000</u>	X	<u>9.25</u>	SPM	<u>100</u>	GPM	<u>323</u>	AV DP	<u>56.2</u>	MIN. PRESS: <u>1350</u>
No. 2 Liner Size	<u>6.000</u>	X	<u>9.25</u>	SPM	<u>100</u>	GPM	<u>323</u>	AV DC	<u>74.9</u>	MAX. PRESS: <u>1400</u>

BITS									
Bit No.	<u>2</u>	Size	<u>17.500</u>	Manuf.	<u>REED</u>	Type	<u>S51J</u>	Serial No.	<u>D07402</u>
Bit In	<u>333</u>	Bit Out	<u> </u>	Ftg.	<u>617</u>	Hours	<u>48.50</u>	FPH	<u>12</u>
Bit Wt.	<u>20</u> / <u>25</u>	RPM	<u>120</u> / <u>120</u>	Bit Jets	<u>18 18 18</u>	JV	<u>221</u> : 0: D: L: B: G: S: R:		
Bit No.	<u> </u>	Size	<u> </u>	Manuf.	<u> </u>	Type	<u> </u>	Serial No.	<u> </u>
Bit In	<u> </u>	Bit Out	<u> </u>	Ftg.	<u> </u>	Hours	<u> </u>	FPH	<u> </u>
Bit Wt.	<u> </u> / <u> </u>	RPM	<u> </u> / <u> </u>	Bit Jets	<u> </u>	JV	: 0: D: L: B: G: S: R:		
Slack Off Wt.	<u>87</u>	Pickup Wt.	<u>87</u>	Rotary Wt.	<u>87</u>	Torque	<u>160</u>		

SURVEY								
SURVEY MD	ANGLE	TVD	DIR.	VERTICAL SECTION	N/S	COORDINATES	F/W	DOGLEG
<u>0</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
<u>153</u>	<u>1.00</u>	<u>152.99</u>	<u>0.00</u>	<u>1.33</u>	<u>1.33</u>	<u>0.00</u>	<u>0.00</u>	<u>0.65</u>
<u>273</u>	<u>0.73</u>	<u>272.97</u>	<u>0.00</u>	<u>3.16</u>	<u>3.16</u>	<u>0.00</u>	<u>0.00</u>	<u>0.20</u>
<u>426</u>	<u>0.25</u>	<u>425.97</u>	<u>0.00</u>	<u>4.50</u>	<u>4.50</u>	<u>0.00</u>	<u>0.00</u>	<u>0.32</u>
<u>572</u>	<u>1.50</u>	<u>571.95</u>	<u>0.00</u>	<u>6.73</u>	<u>6.73</u>	<u>0.00</u>	<u>0.00</u>	<u>0.85</u>
<u>667</u>	<u>0.50</u>	<u>666.93</u>	<u>0.00</u>	<u>8.39</u>	<u>8.39</u>	<u>0.00</u>	<u>0.00</u>	<u>1.05</u>
<u>822</u>	<u>2.25</u>	<u>821.88</u>	<u>0.00</u>	<u>12.11</u>	<u>12.11</u>	<u>0.00</u>	<u>0.00</u>	<u>1.12</u>
<u>883</u>	<u>1.25</u>	<u>882.85</u>	<u>0.00</u>	<u>13.97</u>	<u>13.97</u>	<u>0.00</u>	<u>0.00</u>	<u>1.63</u>

BHA			
Qty	Description	O.D.	Length
<u>1</u>	<u>REED S51J BIT</u>	<u>17.500</u>	<u>1.50</u>
<u>1</u>	<u>BIT SUB</u>	<u>9.938</u>	<u>2.58</u>
<u>1</u>	<u>10" SHOCK SUB</u>	<u>10.000</u>	<u>9.52</u>
<u>2</u>	<u>10" STEEL DCS</u>	<u>9.750</u>	<u>58.32</u>
<u>1</u>	<u>STRING IBS</u>	<u>10.000</u>	<u>6.03</u>
<u>1</u>	<u>10" STEEL DC</u>	<u>9.750</u>	<u>30.92</u>
<u>1</u>	<u>STRING IBS (X/O CONN.)</u>	<u>8.875</u>	<u>5.05</u>
<u>6</u>	<u>8" STEEL DCS.</u>	<u>8.000</u>	<u>172.41</u>
<u>1</u>	<u>CROSSOVER</u>	<u>6.500</u>	<u>2.23</u>
<u>9</u>	<u>6 1/2" STEEL DC</u>	<u>6.500</u>	<u>267.09</u>
<u>1</u>	<u>CROSSOVER</u>	<u>7.000</u>	<u>2.27</u>
			TOTAL BHA LENGTH : <u>557.92</u>

LAST CASING / BOP
 Size: 20.000 Wt.: Grade: Connection: Depth: 74 FIT:
 LAST BOP Test Date: 01/04/80 Accidents: N Pollution: N

HRS		ACTIVITY LAST 24 HOURS	
<u>11.50</u>	<u>DRILL 730-853' - 120 RPM/25# WOB, DRILLING 80% SANDSTONE/20% SHALE</u>	<u>730-760', 80% SHALE/ 30% CLAY/10% SANDSTONE</u>	<u>760-800', 80% CLAY/20% SHALE 800-853', NO BOULDERS.</u>
<u>0.50</u>	<u>WIRELINE SURVEY @ 822' - 2 1/4 DEG.</u>		
<u>7.00</u>	<u>DRILL 853-914' - 120 RPM/20# WOB, DRILLING 80% CLAY, 20% SHALE, NO BOULDERS, START REDUCING VIS TO 50 TO IMPROVE ROP.</u>		
<u>0.50</u>	<u>WIRELINE SURVEY @ 883' - 1 1/4 DEG.</u>		
<u>4.50</u>	<u>DRILL 914-950' - 120 RPM/20-22# WOB, DRILLING 80% CLAY, 20% SHALE, NO BOULDERS.</u>		
<u>RUNNING STREAM OF FRESH WATER, DUMPING SHALE PIT 2 TIMES/TOUR TO HOLD MUD WT. @ 9.1 PPG, NO MUD LOSSES LAST 24 HRS.</u>			
<u>DRLG./24 HRS.:23.0 HRS./CUM.:70.5 HRS. \\ FUEL/24 HRS.:0 GALS./CUM.:8550 GALS.</u>			
<u>REC'D 32 JTS, 13 3/8", 54.5#, J-55, STC CASING FROM SILO FIELD YARD//DOWELL SCHLUMBERGER FILLING BULK CEMENT BINS FOR SURFACE CASING CEMENT JOB//FRANK MATTHEWS PETROLEUM ENGINEER UTAH DEPT. OF NATURAL RESOURCES VISITED WELLSITE 7/8/93.</u>			
<u>WEATHER: CLEAR, CALM, 40 DEG. F./LOC. & ACCESS: GOOD</u>			

COST SUMMARY		
CODE	DESCRIPTION	COSTS
<u>15</u>	<u>DRILLING - DAYWORK</u>	<u>4776.0</u>
<u>17</u>	<u>CONTRACT SUPERVISION</u>	<u>500.0</u>
<u>19</u>	<u>MUD AND CHEMICALS</u>	<u>15.3</u>
<u>21</u>	<u>WATER</u>	<u>293.0</u>
<u>46</u>	<u>TRANS. 13 3/8" CSG.</u>	<u>2598.0</u>
<u>46</u>	<u>TRANSPORT. - LAND</u>	<u>170.0</u>
<u>48</u>	<u>COMMUNICATIONS</u>	<u>75.0</u>
<u>61</u>	<u>CONTINGENCY @ 5%</u>	<u>466.0</u>
<u>70</u>	<u>RENTALS - SURFACE</u>	<u>651.0</u>
<u>71</u>	<u>RENTALS - DOWNHOLE</u>	<u>250.0</u>
Total Daily Cost :		<u>9794.3</u>
Cum. Cost :		<u>135420.3</u>

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07 17 1993

**DIVISION OF
OIL GAS & MINING**

HRS 24.0 Drig. Foreman : PRESENKOWSKI/CHARLES

CONFIDENTIAL

REPORT NO. : 3 DAYS FROM SPUD : 3 A.F.E. NO. : 015506
 CONTRACTOR: SST RIG #56 DEPTH : 730 HOLE MADE : 373
 AFE TD/DNC/CWC : 14340 / \$ 2000 / \$ 2250 OART: DRILLING @ 730'

MUD							
Weight :	8.8	Visc. :	70	Gels. :	28/45	PV/YP :	7/38
MHPWL :		PN :	10.0	PF/MF :	0.10/0.20	CI :	2800
BKGD Gas :		Trip Gas :		Conn Gas :		MBT :	
ELEC STAB :		K+ :		LCM :		LOW GRAVITYX :	
Mud Material Mixed:	47-GEL			4-LIME		1-TAX	

Mud Daily/Cum Cost : \$ 284 / 3439 Brine Daily/Cum Cost : \$ /
 Daily/Cum Mud Lost to Hole: / bbls. Daily/Cum Water Lost to Hole: / bbls.

PUMPS							
No. 1 Liner Size	6.000	X	9.25	SPM	100	GPM	323
AV DP					56.2		MIN. PRESS: 700
No. 2 Liner Size	6.000	X	9.25	SPM	100	GPM	323
AV DC					74.9		MAX. PRESS: 1350

BITS							
Bit No.	2	Size	17.500	Manuf.	REED	Type	S51J
Bit In	333	Bit Out		Fta.	397	Hours	25.50
Bit Wt.	15 / 40	RPM	40 / 120	Bit Jets	18 18 18	JV	221 I: O: D: L: B: G: S: R:
Serial No.	D07402						
EPH	15						
Bit No.		Size		Manuf.		Type	
Bit In		Bit Out		Fta.		Hours	
Bit Wt.		RPM		Bit Jets		JV	
Stack Off Wt.	85	Pickup Wt.	85	Rotary Wt.	85	Torque	180

SURVEY								BHA			
SURVEY MD	ANGLE	TVD	DIR.	VERTICAL SECTION IN/S	COORDINATES E/W	DOGLEG		Qty	Description	O.D.	Length
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	REED S51J BIT	17.500	1.50
153	1.00	152.99	0.00	1.33	1.33	0.00	0.65	1	BIT SUB	9.938	2.58
273	0.75	272.97	0.00	3.16	3.16	0.00	0.20	1	10" SHOCK SUB	10.000	9.52
426	0.25	425.97	0.00	4.50	4.50	0.00	0.32	2	10" STEEL DCS	9.750	58.32
572	1.50	571.95	0.00	6.73	6.73	0.00	0.85	1	STRING IBS	10.000	6.03
667	0.50	666.93	0.00	8.39	8.39	0.00	1.05	1	10" STEEL DC	9.750	30.92
								1	STRING IBS (X/D CONN.)	8.875	5.05
								6	8" STEEL DCS	8.000	172.41
								1	CROSSOVER	6.500	2.23
								9	6 1/2" STEEL DC	6.500	267.09
								1	CROSSOVER	7.000	2.27
								TOTAL BHA LENGTH : 557.92			

LAST CASING / BOP					
Size:	20.000	Wt.:		Grade:	
Connection:		Accidents:	N	Pollution:	N
Depth:	74	LAST BOP Test Date:	01/04/80	IFIT:	

HRS		ACTIVITY LAST 24 HOURS
6.00		DRILL 357-457' - ROUGH DRILLING/BOULDERS 357-376'. START INCREASING VIS TO 70 TO GAIN BETTER ROP IN BOULDER SECTIONS. SMOOTH DRILLING 376-457'.
0.50		WIRELINE SURVEY @ 426' - 1/4 DEG.
7.00		DRILL 457-603' - SMOOTH DRILLING 457-572'. INCREASE WOB TO 40MP. RPM TO 100. ROUGH DRILLING/BOULDERS 572-603'.
0.50		WIRELINE SURVEY @ 572' - 1 1/2 DEG.
7.00		DRILL 603-698' - ROUGH DRILLING/BOULDERS 603-606'. SMOOTH DRILLING 606-698'. BACK OFF WOB TO 20MP. RUN 120 RPM IN SMOOTH DRILLING SECTIONS TO CONTROL DEVIATION.
0.50		WIRELINE SURVEY @ 667' - 1/2 DEG.
2.50		DRILL 698-730' - NO ROUGH SECTIONS. INCREASE WOB TO 25MP. RUN 120 RPM.
		SLOWING PUMP RATE TO 80 SPM ON BOTH PUMPS. RUNNING WHATEVER WOB & RPM HOLE PERMITS IN BOULDER SECTIONS. INCREASING PUMP RATE TO 100 SPM ON BOTH PUMPS. RUN 120 RPM @ MAX. WOB HOLE ANGLE WILL ALLOW IN SMOOTH DRILLING SECTIONS. NO MUD LOSSES OBSERVED LAST 24 HRS.
		DRLG./24 HRS.:22.5 HRS./CUM.:47.5 HRS.\\FUEL/ 24 HRS.:3497 GALS./CUM.:8550 GALS.
		DOWELL SCHLUMBERGER SET BULK CEMENT BINS ON LOCATION IN PREPARATION FOR SURFACE CASING CEMENT JOB.
		WEATHER: CLEAR, CALM, 50 DEG. F./LOC. & ACCESS: GOOD

COST SUMMARY		
CODE	DESCRIPTION	COSTS
11	PIT LINER	2400.0
15	DRILLING - DAYWORK	4776.0
17	CONTRACT SUPERVISION	500.0
19	MUD AND CHEMICALS	284.0
46	TRANSPORT. - LAND	1063.0
48	COMMUNICATIONS	75.0
61	CONTINGENCY @ 5%	485.0
70	RENTALS - SURFACE	351.0
71	RENTALS - DOWNHOLE	250.0

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 JUL 16 1993

Total Daily Cost : 10766.0
 Cum. Cost to Date : 125626.0

HRS 24.0 Div. Foreman : PRESENKOWSKI/CHARLES DIVISION OF OIL GAS & MINING

REPORT NO. : 2
 CONTRACTOR: SST ENERGY
 AFE TO/DHC/CWC : 14340 / \$ 2000 / \$ 2250
 DAYS FROM SPUD: 2
 DEPTH : 357
 OART: DRILLING @ 357'
 A.F.E. NO. : 015506
 MOLE MADE : 237

MUD

Weight : 8.7	Visc. : 44	Gels. : 14/35	PV/YP : 6/16	WL : 22.00	Cake : 2.0
HTHPL : _____	PH : 10.5	PF/MF : 0.10/0.20	CL : 2800	SAND : _____	Solids : 3.0
BKGD Gas : _____	Trip Gas : _____	Conn Gas : _____	MBT : _____	OWR : _____	Ca : 80
ELEC STAB : _____	K+ : _____	LCM : _____	LOW GRAVITYX : _____		

Mud Material Mixed: 40-GEL 1-TAX 1-DRAYAGE 1-SHRINK WRAP
 10-KWIK SEAL 20-SAWDUST
 Mud Daily/Cum Cost : \$ 1101 / 3155 Brine Daily/Cum Cost : \$ /
 Daily/Cum Mud Lost to Hole: / bbls. Daily/Cum Water Lost to Hole: / bbls.

PUMPS

No. 1 Liner Size	6.000	X	9.25	SPM	80	GPM	258	AV DP	41.2	MIN. PRESS: 650
No. 2 Liner Size	6.000	X	9.25	SPM	80	GPM	258	AV DC	59.8	MAX. PRESS: 650

BITS

Bit No.	2	Size	17.500	Manuf.	REED	Type	S51J	Serial No.	DO7402
Bit In	333	Bit Out		Ftg.	24	Hours	3.00	FPH	8
Bit Wt.	15 / 25	RPM	40 / 80	Bit Jets	18 18 18	JV	22111	O: D: L: B: G: S: R:	

Bit No.	1	Size	17.500	Manuf.	HUGHES	Type	X3A	Serial No.	RD306 (RR)
Bit In	74	Bit Out	333	Ftg.	259	Hours	22.00	FPH	11
Bit Wt.	10 / 25	RPM	40 / 90	Bit Jets	18 18 18	JV	138114	O:4 D:FC L: A B:4 G:4 S:CT R: PR	
Slack Off Wt.	66	Pickup Wt.	66	Rotary Wt.	66	Torque	180		

SURVEY

SURVEY MD	ANGLE	TVD	DIR.	VERTICAL SECTION	N/S	COORDINATES	E/V	DOGLEG
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	1.00	152.99	0.00	1.33	1.33	0.00	0.65	
273	0.75	272.97	0.00	3.16	3.16	0.00	0.20	

BHA

Qty	Description	O.D.	Length
1	REED S51J BIT	17.500	1.50
1	BIT SUB	9.938	2.58
1	10" SHOCK SUB	10.000	9.52
2	10" STEEL DCS	9.750	58.32
1	STRING IBS	10.000	6.03
1	10" STEEL DC	9.750	30.92
1	STRING IBS (X/O CONN.)	8.875	5.05
6	8" STEEL DCS	8.000	172.41
1	CROSSOVER	6.500	2.27
1	6 1/2" STEEL DC	6.500	29.73

TOTAL BHA LENGTH : 318.33

LAST CASING / BOP
 Size: 20.000 Wt.: _____ Grade: _____ Connection: _____ Depth: 74 FIT:
 LAST BOP Test Date: 01/04/80 Accidents: N Pollution: N

HRS ACTIVITY LAST 24 HOURS

3.00	DRILL 120-179' - RUNNING 90 RPM/100 SPM ON 1 PUMP UNTIL LARGE DCS ARE BURIED BELOW CONDUCTOR. SMOOTH DRILLING. 10" DCS BELOW CONDUCTOR. PREPARE TO TOH TO PU IBS'S.
0.50	WIRELINE SURVEY @ 153' - 1 DEG.
2.00	TOH - TOH. INSTALL STRING IBS'S @ 70' & 100' ABOVE BIT. TIH. NO TIGHT SPOTS.
8.00	DRILL 179-304' - SMOOTH DRILLING 179-244'. ENCOUNTERED BOULDERS. EXTREMELY ROUGH DRILLING 244-304' (AVG. ROP 9 FPH). ATTEMPT TO VARY WOB/RPM/SPM ON PUMP (UP TO 120 SPM) TO SMOOTH OUT W/NO SUCCESS.
0.50	WIRELINE SURVEY @ 273' - 3/4 DEG.
5.00	DRILL 304-333' - DRILLING BOULDERS. ROP DROPPED TO 5 FPH. PREPARE TO TOH TO CHECK BIT.
1.00	TOH - NO DRAG. BIT MODERATELY WORN (3/8" UNDER GAUGE). UPPER & LOWER IBS'S 1/8" UNDER GAUGE.
1.00	TIH - CHANGE OUT BIT. TIH. NO FILL.
3.00	DRILL 333-357' - ROUGH DRILLING/BOULDERS. SMOOTHED OUT @ 26M. 50 RPM. 80 SPM ON BOTH PUMPS. AVG. ROP 8 FPH. NO MUD LOSSES OBSERVED.
DRLG./24 HRS.:19.09 HRS./CUM.:25.0 HRS.	
NOTIFIED UTAH DEPT. OF NATURAL RESOURCES (FRANK MATTHEWS) @ 0830 HRS. 7/6/93 OF COMMENCEMENT OF OPERATIONS.	
WEATHER: CLEAR. 5 MPH WIND/SE. 40 DEG. F. \\\LOC. & ACCESS: OK	

COST SUMMARY

CODE	DESCRIPTION	COSTS
11	LOCATION - BUILDING	420.0
15	DRILLING - DAYWORK	38755.0
17	CONTRACT SUPERVISION	500.0
18	BIT #2	11000.0
19	MUD AND CHEMICALS	1101.4
46	TRANSPORT. - LAND	332.0
48	COMMUNICATIONS	75.0
61	CONTINGENCY @ 5%	2641.0
70	RENTALS - SURFACE	388.0
71	RENTALS - DOWNHOLE	250.0

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 JUL 12 1993

Total Daily Cost : 55461.4
 Cum. Cost to Date : 115442.0

HRS 24.0
 Div. Foreman : PRESENKOWSKI/CHARLES
 OIL GAS & MINING

WELL SUMMARY SCREEN

WELL NAMEUPRR 1H 19-2X (RIG SKID)	API NUMBER43-043-30300
OPERATOR UNION PACIFIC RESOURCES	FIELDDELKHORN
LEASE TYPEFEE SPACINGR649-3-2	COUNTYSUMMIT SWNW 19-02N-07E
	(APD) 1945-FNL-0660-FWL

APD APPROVED07/15/93 APD EXTENDED TO / /

SPUDED07/05/93

COMPLETION DATE / /	COMP TYPE	COMP STATUS	
SURFACE LOCATION -	-	TD LOCATION -	-
TD 0 PBSD 0	PERFS 0-	0	CONTINUOUS PERFS? (CONT/NON CON)
DIRECTIONAL SURVEY?	CORED?		
1ST PRODUCTION / /	24 HR PROD. TEST - OIL	0 GAS	0 WATER 0

CONFIDENTIAL?Y ('Y' OR BLANK)
DONE?N

COMMENTS(^HOME)MEMO (Y or BLANK)Y

[.....▼1.....▼2.....▼3.....▼4.....▼5.....▼6.....].....7.....
6-30-93 Verbal approval given by JLT.

THIS IS A RIG SKID FROM THE 1H UPRR 19-2 (43-043-30068), WHICH
WAS PLUGGED ON 6/27/93. THIS WILL BE A HORIZONTAL COMPLETION.
(7/21/93)

SPUD NOTICE CALLED IN TO FRM ON 7/6/93 (VERBAL APPROVAL TO SPUD
GIVEN BY JLT ON 6/29/93). (7/21/93)

OPERATOR UNION PACIFIC RESOURCES CO.

OPERATOR ACCT. NO. N 9465

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11592	43-043-30300	UPRR 1H 19-2X (RIG SKID)	SWNW	19	2N	7E	SUMMIT	7-5-93	7-5-93

WELL 1 COMMENTS: ~~OPERATOR~~ REPORTING PRODUCTION, HAS NOT SUBMITTED WCR - TO DME FOR FOLLOW-UP.

--	--	--	--	--	--	--	--	--	--	--	--

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)

L. CORDOVA (DOGM)
Signature
ADMIN. ANALYST 1-5-94
Title Date
Phone No. ()

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

DOUBLE JACK TESTING & SERVICES, INC.

PHONE (307) 787-9213

B.O.P. TEST REPORT

B.O.P. TEST PERFORMED ON (DATE) 7-17-93
OIL COMPANY VPRC
WELL NAME & NUMBER ELK Horn VPRC 19-2X 43-013-30300
SECTION 19
TOWNSHIP 2N
RANGE 7E
COUNTY & STATE Summit, Utah
DRILLING CONTRACTOR SS+ #56
OIL COMPANY SITE REPRESENTATIVE Don Presenkowski
RIG TOOL PUSHER Steve
TESTED OUT OF Evanston
NOTIFIED PRIOR TO TEST _____
COPIES OF THIS TEST REPORT SENT TO: VPRC
SS+
BLM
state

ORIGINAL CHART & TEST REPORT ON FILE AT:

DOUBLE JACK TESTING & SERVICES, INC.
P O BOX 2097
EVANSTON, WY 82931-2097

TESTED BY:

Paul Hagerton

RECEIVED

AUG 11 1993

DIVISION OF
OIL GAS & MINING

Double Jack Testing & Services Inc.

FIELD TICKET

10466

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
 Durango, CO (303) 259-5926

DATE 7-17-93
 OPERATOR VPRC
 RIG NAME & NO. 351 36
 WELL NAME & NO. ELK Horn VPRC 19-2X

COUNTY	STATE	SECTION	TOWNSHIP	RANGE	
<u>Summit</u>	<u>Utah</u>	<u>19</u>	<u>20</u>	<u>7E</u>	
ITEMS TESTED	LOW TEST PSI	TIME HELD MINUTES	HIGH TEST 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>	<u>-</u>	<u>-</u>	Closing Time of Rams <u>2 sec.</u>
Blind Rams	<u>250 psi</u>	<u>5 min.</u>	<u>3600 psi</u>	<u>10 min.</u>	Closing Time of Annular <u>14 sec.</u>
Annular B.O.P.	<u>250 psi</u>	<u>5 min.</u>	<u>1500 psi</u>	<u>10 min.</u>	Closed Casing Head Valve <u>yes</u>
Choke Manifold	<u>250 psi</u>	<u>5 min.</u>	<u>3500 psi</u>	<u>10 min.</u>	Set Wear Sleeve <u>yes</u>
Choke Line	<u>250 psi</u>	<u>5 min.</u>	<u>3500 psi</u>	<u>10 min.</u>	
Kill Line	<u>250 psi</u>	<u>5 min.</u>	<u>3500 psi</u>	<u>10 min.</u>	COMMENTS
Super Choke	<u>250 psi</u>	<u>5 min.</u>	<u>3500 psi</u>	<u>10 min.</u>	
Upper Kelly	<u>250 psi</u>	<u>5 min.</u>	<u>3500 psi</u>	<u>10 min.</u>	
Lower Kelly	<u>250 psi</u>	<u>5 min.</u>	<u>3500 psi</u>	<u>10 min.</u>	
Floor Valve	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	
Dart Valve	<u>250 psi</u>	<u>5 min.</u>	<u>3500 psi</u>	<u>10 min.</u>	
Casing	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	

ADDITIONAL TESTS & COMMENTS

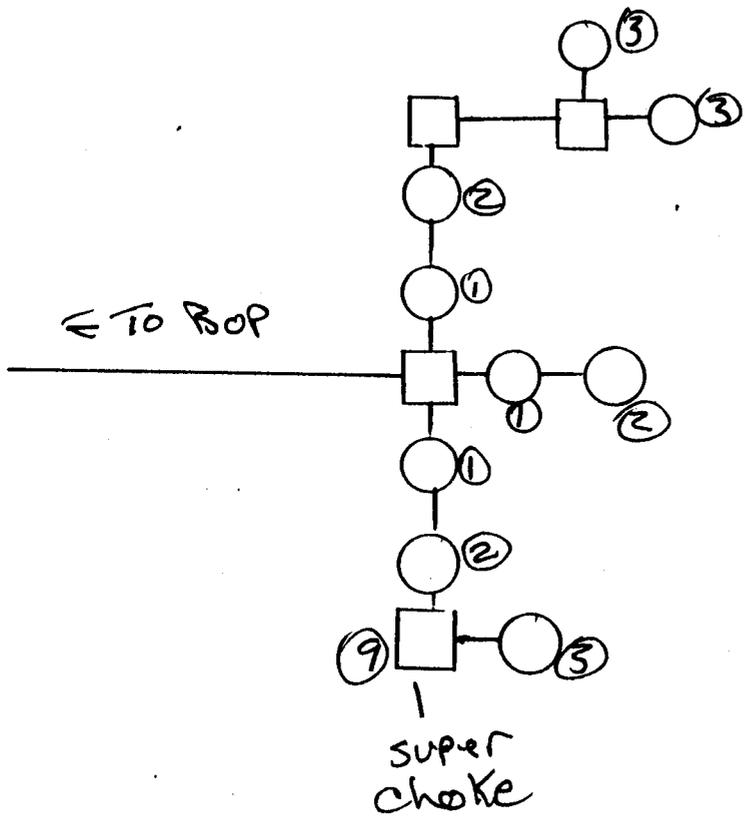
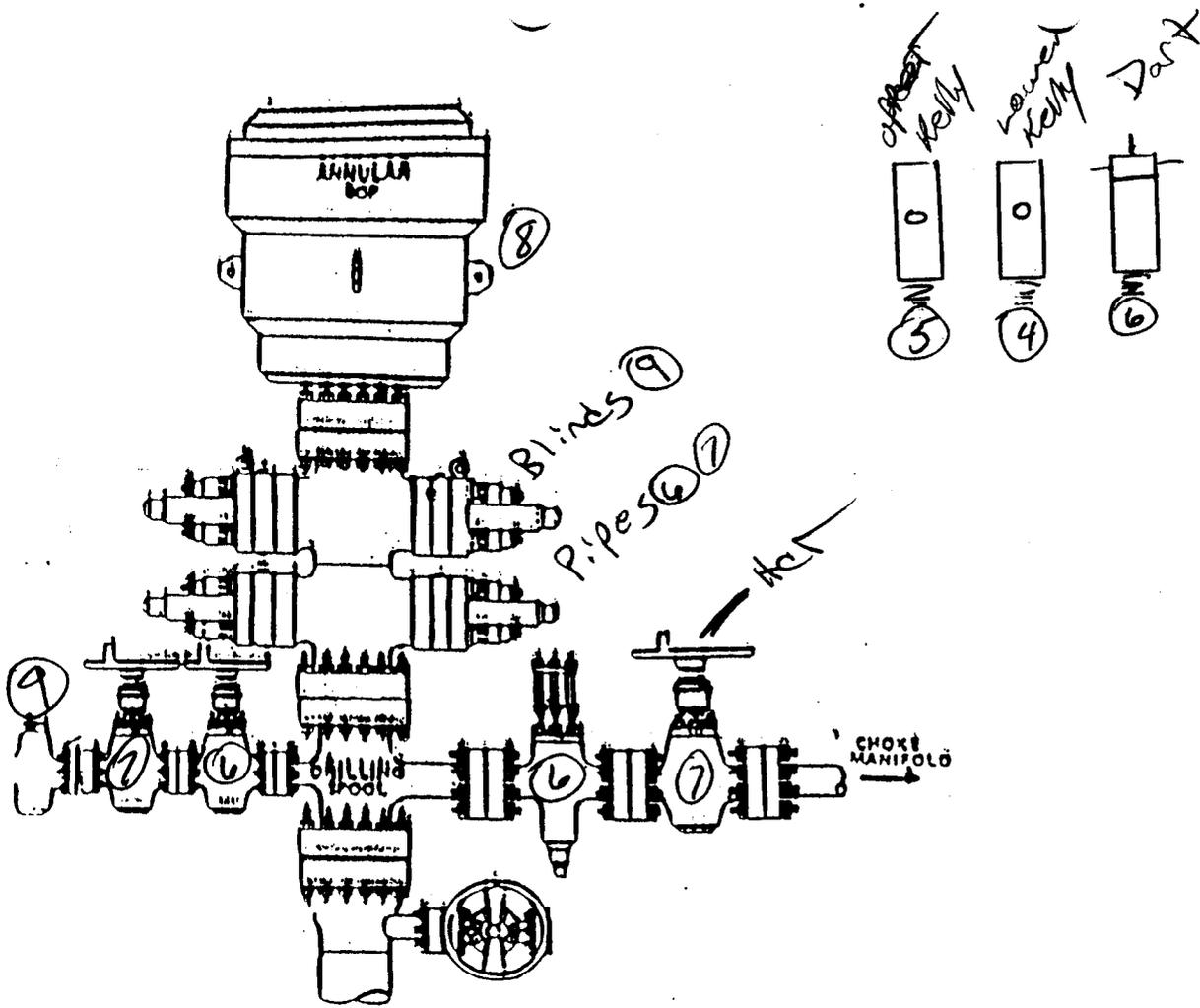
TEST PLUG 13 5/8 FMC
 RET. TOOL 4 1/2 IF
 TOP SUB. 4 1/2 IF
 KELLY SUB. 4 1/2 IF
 X-OVER SUB.

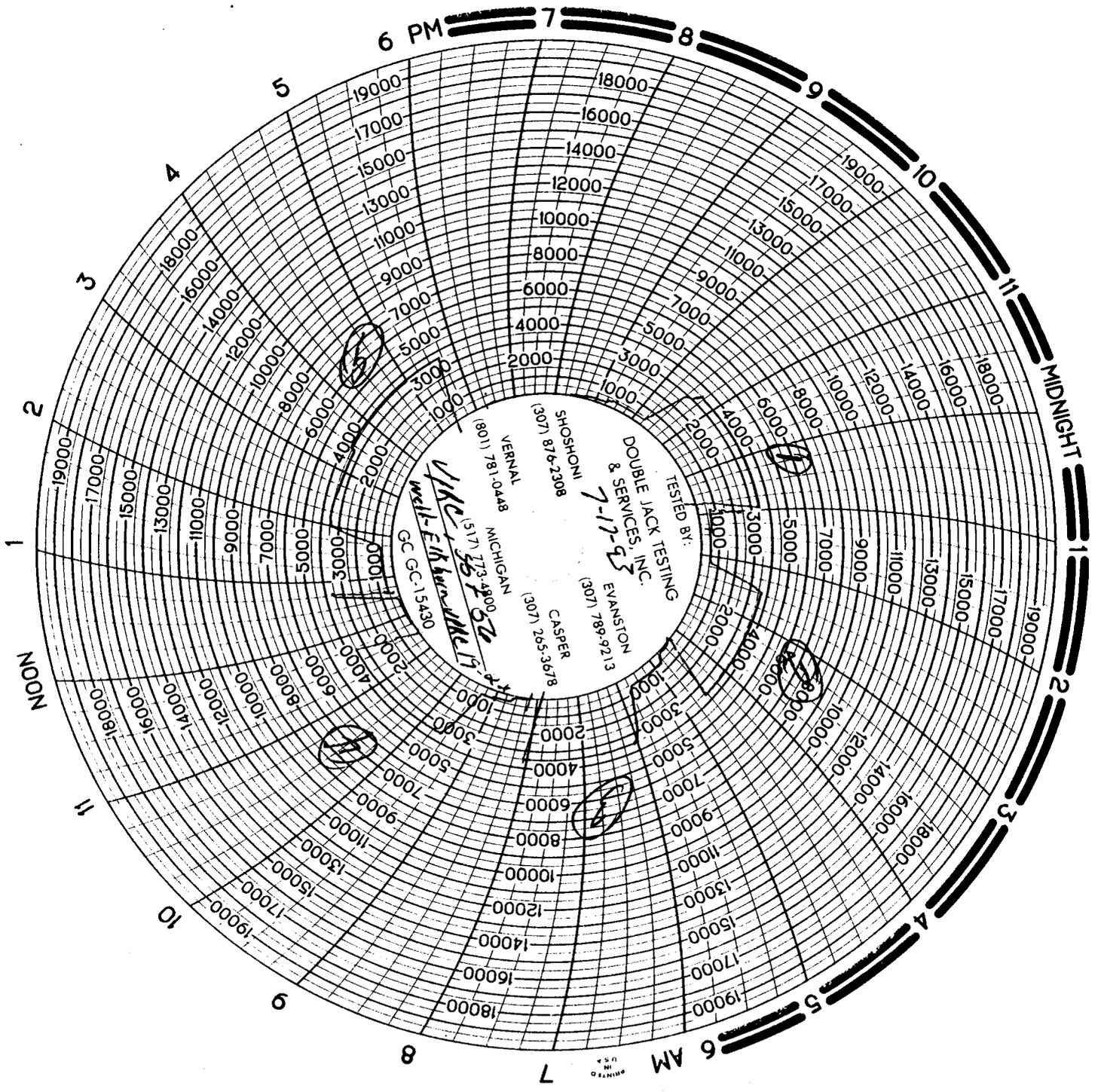
Rig will Test casing

JPRC | Elk Horn JPRC 19-2k | 7-17-93 | 56t 56

TEST # TIME

- ① 11:10-11:15 1st set of manifold valves
- 11:16-11:26 250 psi 5 min. 3500 psi 10 min.
- ② 11:30-11:35 2nd set of manifold valves
- 11:36-11:46 250 psi 5 min. 3500 psi 10 min.
- ③ 11:50-11:53 3rd set of manifold valves
- 11:55-12:05 250 psi 5 min. 3500 psi 10 min.
- ④ 12:15-12:20 lower Kelly
- 12:20-12:30 250 psi 5 min. 3500 psi 10 min.
- ⑤ 12:35-12:40 upper Kelly
- 12:40-12:50 250 psi 5 min. 3500 psi 10 min.
- ⑥ 2:40-2:45 Pipe Rams, inside Kill, inside choke, Dart
- 2:45-2:55 250 psi 5 min. 3500 psi 10 min.
- ⑦ 3:10-3:15 Pipe Rams, outside Kill, HCT
- 3:15-3:25 250 psi 5 min. 3500 psi 10 min.
- ⑧ 3:40-3:45 Hy Drill
- 4:30-4:40 250 psi 5 min. 1500 psi 10 min.
- ⑨ 4:50-4:53 Blind Rams, super Choke, Check
- 4:53-5:05 250 psi 5 min. 3500 psi 10 min.





TESTE I B.N.
 DOUBLE JACK TESTING
 & SERVICES, INC.
 7-17-53
 EVANSTON (307) 789-9213
 CASPER (307) 295-3678
 SPOKANE (307) 876-2308
 VERNAL 8011 781-0448 MICHIGAN
 5171 779-4800
 well-Erik
 GC GC-15430

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 IN
 U.S.A.



**Union Pacific
Resources**

A Subsidiary of Union Pacific Corporation

January 18, 1994

CONFIDENTIAL

Debra Eatchel
State of Utah
Dept. of Natural Resources
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Ms. Eatchel:

I am writing to request that you keep all records and production data **confidential** for the maximum thirteen (13) month period on our Elkhorn 19-2X. This well is located in NW/4 Section 19 T2N R7E.

Your cooperation in this matter is greatly appreciated. If you have any questions, please don't hesitate to call me at (817) 877-6763.

Sincerely,

Ross Matthews

mm/de.ltr

RECEIVED

JAN 24 1994

DIVISION OF
OIL, GAS & MINING

Union Pacific Resources Company
P.O. Box 7
Fort Worth, Texas 76101-0007
817 / 877-6000
TWX 910 893 5024
Telex 758-447

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

WELL COMPLETION OR RECOMPLETION REPORT

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

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other JAN 28 1994

2. NAME OF OPERATOR
Union Pacific Resources Company

3. ADDRESS OF OPERATOR
P.O. Box 7 MS 3407 Fort Worth, Texas 76101-0007

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 554' FWL & 2176' FNL (SL) (Resurveyed)
At top prod. interval reported below
At total depth 1530' FEL & 1770' FNL (BHL)

14. API NO. 30300 DATE ISSUED 07-15-93
43-043-30068

5. LEASE DESIGNATION AND SERIAL NO.
UPRR Land Grant

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
UPRR 19-2X

9. WELL NO.
#1-H

10. FIELD AND POOL, OR WILDCAT
Elkhorn Ridge

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 19-2N-7E

15. DATE SPUNDED 07-05-93 16. DATE T.D. REACHED 09-20-93 17. DATE COMPL. 09-29-93 (Ready to prod.)
18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 6740' RKB; 6721' GR 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 14110' MD/10418' TVD 21. PLUG BACK T.D., MD & TVD - 22. IF MULTIPLE COMPL. HOW MANY - 23. INTERVALS DRILLED BY - ROTARY TOOLS O-TD CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
Watton Canyon member of Twin Creek 10130' - 10417' TVD
14110' MD 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN FMS: DLK/GR Temp, mud 1-19-94 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 PULLED
13 3/8"	54.5#	2234'	17 1/2"	1975 sxs 35:65 poz:6+250 sxs	Class "G"
7 5/8"	29.7#	10130'	9 7/8"	825 sxs CI. G	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
6.5"	9986'				2 7/8"	9742'	

31. PERFORATION RECORD (Interval, size and number) N/A

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
09-29-93	Pumping - 275 HP electric submersible	Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
01-26-94	24	-	→	784	250	638	318.9

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
90#	90#	→	784	250	638	-

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

35. 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 Cami Minzenmayer TITLE Regulatory Analyst DATE 01-27-94

CONFIDENTIAL

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

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

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

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

37. SUMMARY OF POROUS ZONES:

Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

38. GEOLOGIC MARKERS

Formation	Top	Bottom	Description, contents, etc.	Name	Meas. Depth	True Vert. Depth
				Frontier	1919'	1919'
				Aspen	3562'	3561'
				Kelvin	3921'	3920'
				Stump	6859'	6857'
				Preuss	7572'	7569'
				Salt	8990'	8987'
				Base Salt	9549'	9545'
				Twin Creek	9669'	9665'
				Leeds Creek	10114'	10109'

UNION PACIFIC RESOURCES COMPANY

ELKHORN UPRR 19-2X

2176' FNL & 554 FWL

SW NW SEC 19, T2N, R7E

API no. 43-043-30300

ELKHORN RIDGE FIELD

SUMMIT COUNTY, UTAH

CONFIDENTIAL

Note: This is a horizontal replacement hole and the first mechanically successful horizontal Twin Creek well. Bottom hole location is 461' north & 3873' east of the surface location.

Prepared by:

Wayne Freisatz
c/o Sunburst Consulting
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Billings, Montana 59105
(406) 259-4124

Prepared for:

Ross Matthews
c/o Union Pacific Resources
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Sunburst Consulting
A Geological Service

WELL EVALUATION

GENERAL:

The Union Pacific Resources Company Elkhorn UPRR 19-2X was drilled as a replacement well for the Elkhorn #1H UPRR 19-2. Both wells were designed as horizontal tests of the Twin Creek Formation in the Elkhorn Ridge Field, Utah. The first horizontal attempt the Elkhorn #1H UPRR 19-2 was planned as a re-entry of an American Quasar Petroleum conventional vertical well located in the SW NW, Section 19, T2N, R7E, Summit County, Utah. The American Quasar well [designated the UPRR 19-2] was drilled to a total depth of 11,419' [TVD 11,408'] in the Nugget Formation in 1978. The 19-2 produced a total of 4,303 BO from the Twin Creek and upper Nugget [both Jurassic in age] before temporary abandonment in mid-1979. The first horizontal attempt, the Elkhorn #1H UPRR 19-2 re-entry, was plugged and abandoned after significant hole problems. The drilling rig was skidded approximately 35' to the north and the replacement well, the Elkhorn UPRR 19-2X, was redrilled from surface.

Elkhorn Ridge is a four well field (plus one dry hole), productive from the Twin Creek & Nugget Formations since its discovery in 1977. The single well still producing in the field is the prolific Exxon Newton Sheep #18-1 [SW SE, Section 18, T2N, R7E] having made over 472,500 BO & 220.8 MCF gas from the Twin Creek in its first five years of production. One location to the east of the 19-2, the American Quasar Petroleum UPRR 19-1 [SW NE, Section 19, T2N, R7E] produced 188,811 BO and 79 MCF gas from the Twin Creek in its five year productive life. The nearby Lodgepole and Pineview Fields are also oil productive from the Twin Creek Formation.

Union Pacific Resources Company skidded the rig approximately 35' to the north of the Elkhorn #1H UPRR 19-2 surface location and redrilled the well from surface. The objective of well was to deviate the wellbore toward a horizontal target in the lower Watton Canyon [also know as Walton Canyon] member of the Twin Creek Formation. The designated target zone was between 10,560' and 10,663' on the 19-2 logs, with the goal of drilling as much of the lateral as possible in the optimum prospective zone [designated the "Sweet spot"] at 10,636' to 10,663' on the 19-2 logs. Owing to the strong anticipated dips in the area, the planned approach to the target zone involved reaching horizontal [90°] or slightly greater than 90° and maintaining that angle while the target zone rose structurally to meet the well bore. Once the target zone was entered the plan was to move down stratigraphically to the "Sweet spot" and stay within that interval. The goal was to drill along an azimuth of N81.84°E until 3,900' of vertical section or a hard-line restriction was encountered [either the legal setback from the section line or a 2,000' radial restriction from the Exxon Newton Sheep 18-1 bottom hole location].

OPERATIONS:

The surface location of the Elkhorn UPRR 19-2X was resurveyed and corrected to 2,176' FNL, 554' FWL, Section 19, Township 2 North, Range 7 East, Summit County, Utah. Operations began on the redrill at 23:00 July 5, 1993. Bottom hole stabilization and direction drilling tools were employed to drill as near to a vertical hole as possible to the proposed intermediate casing and directional kick-off point. Relatively large diameter bits were used to allow bigger surface and intermediate casing sizes, eventually allowing larger [and therefore heavier duty] bits and directional drilling tools to be employed for the curve and lateral portions of the hole. A multi-shot deviation survey was made of the hole prior to running 13.375" surface casing to 2,234'. A Dual Laterolog - Gamma Ray was run in the open hole prior to intermediate casing. After intermediate casing a gyroscopic survey was made inside of the casing [intermediate 7.625" and 7.75" casing set at 10,130'], to determine the precise location of the kick off point for directional drilling. A tie-in point for the MWD [measurement while drilling] directional surveys was calculated at 10,130'MD [measured depth] as TVD [true vertical depth] 10,125.12', at an angle of 4.54°, an azimuth of 120°, at 62.75' south and 135.84' east of the surface location.

Directional drilling toward the horizontal target began on August 25, 1993, using Sperry-Sun MWD (measurement while drilling) and downhole drilling motors. Hole angle was built to 90° [horizontal] by approximately 10,650'MD [measured depth], 10,448.5'TVD [true vertical depth]. The well plan called for leveling off at horizontal slightly higher in the section TVD, therefore the hole angle build was continued past 90° to slightly greater than 100°. The well path was leveled off at approximately 90° [horizontal] by 11,000'MD, just above the target zone.

The target horizon dipped up and intersected the wellbore at 11,096'MD, 10,417'TVD. The hole angle was adjusted to slightly less than 90° in order to more quickly move down stratigraphically to the "Sweet spot" at the base of the target zone. The "Sweet spot" was reached at 11,650'MD, 10,432'TVD. Between 11,650'MD and 12,000'MD the hole angle was less than the formation dip [up], therefore the base of the "Sweet spot" and target zone were encountered at 11,972'MD, 10,427'TVD. The well path was steered upward to re-enter the base of the "Sweet spot" at 12,140'MD, 10,418'TVD.

After traveling through the lower "Sweet spot" for a short distance a **fault** was encountered, at 12,190'MD, that briefly shifted the lateral back out of the base of the target zone. However, the well bore path was sufficiently inclined to re-enter the base of the target ["Sweet spot"] almost immediately at 12,200'MD. The well path traversed the "Sweet spot" from bottom to top between 12,000'MD and 12,467'MD.

The lateral skimmed the top of the "Sweet spot" between 12,467'MD, 10,394'TVD and 12,528'MD, 10,392'TVD. The hole angle fell off to less than 90° around 12,700'MD. Another probable **fault** was encountered at 12,740'MD, dropping the well bore from the upper to the lower portion of the "Sweet spot". The base of the "Sweet spot" and target was again penetrated at 12,824'MD, 10,400'TVD.

Attempts to steer the well path upward, and back into the target, were not completely successful and a trip was made for a fresh bit and mud motor were made at 12,922'MD. Some difficulty was encountered with the hole condition and a reaming run was made to clean out the hole before directional drilling was resumed. The hole angle was brought up to around 91° to move up stratigraphically to the target zone. A fault was encountered at 13,120'MD that shifted the well path back into the "Sweet spot". The balance of the lateral portion of the Elkhorn UPRR 19-2X was drilled within the "Sweet spot" in the target zone.

TD was reached on September 20, 1993. The planned total of 3,900' of vertical section was reached by 14,110'MD, 10,418'TVD. *The bottom hole location at total depth was 461' north and 3,873' east of the surface location.* The hole was reamed and sweep clean at total depth in preparation for the tubing conveyed FMS log and running the pre-perforated 4.5" production liner. The Sunburst Consulting wellsite geologist was released prior to the FMS logging run.

A liner was run in the lateral portion of the Elkhorn UPRR 19-2X for an attempted completion in the lower portion of the Watton Canyon member of the Twin Creek Formation.

ZONES OF INTEREST:

The geologic supervision of the Elkhorn UPRR 19-2X began within the Stump Formation [Jurassic in age]. The top of the Twin Creek - Giraffe Creek member was encountered at 9,669' MD, TVD 9,665' (-2920'). The Leeds Creek member was topped at 10,114'MD, TVD 10,109' (-3364') prior to intermediate casing point. The Watton Canyon member was reached during the drilling of the curve toward the horizontal target at 10,531'MD, TVD 10,427' (-3682').

The first hydrocarbon shows in the re-drill were encountered at 10,694'MD, TVD 10,447' (-3702'). Gas readings rose from 2 units before the show [1% methane in air = 100 units] to a sharp peak of 815 units, then decreased to 5 units after the show. Large and significant increases in the heavy gas components [C₃ through nC₄'s] were noted in association with the show, indicating the presence of oil. This gas show corresponded with bottoms up circulation of an interruption of normal mud circulation at the change from rotary drilling to sliding or orienting, and as such was designated a "downtime gas" peak. There was no hydrocarbon show noted in the cuttings samples recovered from this interval. Therefore, it was interpreted to represent influx of hydrocarbon gases into the wellbore from a fracture possibly at 10,678'MD. Stratigraphically this show interval occurred approximately 27' above the target zone in the lower Watton Canyon member and 93' above the "Sweet spot". Following this gas show the background levels were elevated [as compared to prior to the show] with connection, downtime and trip gas peaks noted. This seemed to indicate that the show zone continued to produce gas into the well bore.

The target zone was topped in the lateral at 11,096'MD, TVD 10,417' (-3672'). The next significant geological event was encountered at 11,569'-11,571', where mud circulation was lost for a period of time [estimated loss of 350 barrels of mud initially]. Drilling continued with variable partial to complete mud returns following the encounter with this probable fracture. Consistent seepage and occasional loss of returns occurred through the drilling of the subsequent

859' of the lateral on the Elkhorn UPRR 19-2X.

The "Sweet spot" within the target zone was reached at 11,650'MD, 10,432'TVD. The base of the target zone was reached at 11,972'MD, TVD 10,427' (-3682'), at a vertical section of 1,765'. The hole angle was increased to move up stratigraphically back to the target zone "Sweet spot". Additional lost circulation was attributed to probable fractures at 12,054' to 12,058'MD, below the target zone [stratigraphically] approximately four feet. When circulation was regained following this event the largest gas readings of the well were recorded, reaching a peak of 1,170 units with abundant heavy gas components and traces of live oil visible at the shaker. Background gas levels remained elevated following this event until a total loss of mud returns occurred following a trip at 12,428'MD.

The target zone "Sweet spot" was re-entered at it's base at 12,140'MD, 10,418'TVD (-3673'). After drilling 50' in the lowermost "Sweet spot" an apparent fault at 12,190'MD, 10,411'TVD shifted the well path back down into the unit immediately below the "Sweet spot". The hole angle allowed the wellbore to penetrate back into the base of the "Sweet spot" by 12,200'MD. The well path traversed upward through the "Sweet spot" from 12,200'MD to 12,467'MD, with increased incidence of lost circulation occurring as the upper "Sweet spot" was reached.

Complete lost returns occurred following the bit trip at 12,428'MD, and persisted for the balance of the drilling of the Elkhorn UPRR 19-2X. A total fluid loss of in excess of 100,000 barrels was reported for the Elkhorn UPRR 19-2X.

The lateral well bore skimmed along the top of the "Sweet spot" between 12,467'MD and 12,528'MD, 10,392'TVD (-3647'). Another probable fault was encountered at 12,740'MD, shifting the well path from the upper to the lower portion of the "Sweet spot". The base of the target zone was again reached at 12,824MD, 10,400'TVD (-3655'). The lateral passed through the zone just below the "Sweet spot" during the interval 12,824'MD to 13,120'MD. At 13,120'MD, 10,401' (-3656') an apparent fault shifted the well path back up into the "Sweet spot". An increased rate of lost circulation was associated with this fault and a possible subsidiary fault or fracture at 13,148'MD. Other possible fractures were penetrated at 13,340' to 13,342'MD and 13,930' to 13,936'MD. The Elkhorn UPRR 19-2X well path appeared to have remained within the targeted "Sweet spot" from 13,120'MD to the end of the well at 14,110'MD, 10,418'TVD (-3673').

SAMPLE EVALUATION:

Cuttings samples through most of the lateral portion of the well were poor in quality and possibly not representative of the rocks being drilled. The size of the cuttings was extremely small which may indicate "milling" of the samples by the drill pipe as they pass through the lateral portion of the hole. The samples also appeared to be homogenized, showing almost no variation from sample to sample. The amount of material being circulated to the surface, and therefore available for sampling, decreased appreciably during the drilling of the curve. Once the well reached horizontal there was very little material coming over the shaker screens. After initially losing circulation the amount of material reaching the surface became very slight, even

with high viscosity mud sweeps. After the complete loss of circulation following the trip at 12,428', no material what-so-ever came out of the well to the surface. It can only be assumed that the volume of cuttings generated by drilling over 1,600' of 6.5" hole was accommodated in the wellbore or moved off into fractures.

WELL INTERFERENCE:

The drilling of the lateral portion of the Elkhorn UPRR 19-2X had a profound effect on the Exxon Newton Sheep 18-1 [the only remaining producer in the Elkhorn Ridge Field]. Prior to the drilling of the Elkhorn UPRR 19-2X and during the period before the "Sweet spot" was penetrated in the lateral the Exxon Newton Sheep 18-1 produced about 300 barrels of fluid per day, nearly equally divided between oil and water. However, following the loss of circulation at 11,568' MD in the Elkhorn UPRR 19-2X and the entry of the lateral into the "Sweet spot" the oil production at the Newton Sheep 18-1 declined dramatically and water production increased by 40%. Oil production reached zero BOPD by the third day after the Elkhorn UPRR 19-2X began losing circulation in the lower Watton Canyon and the Newton Sheep 18-1 was shut-in. This interference effect indicates at least a portion of the fracture network encountered in the 19-2X is and has been in communication with the Exxon well.

DIP ESTIMATES:

The formation dips encountered in the drilling of the Elkhorn 19-2X were variable through the length of the lateral. A predictive model was employed based on the data gained from the first horizontal well attempt, nearby vertical well control and some seismic data from the field. This predictive model was then modified and adjusted as new data was received during drilling. The dip model was cross checked by the use of the UPRC "true stratigraphic dip" workstation program by analyzing the MWD gamma ray data. The estimated dips calculated at the well location by Sunburst Consulting are shown along with the deviation surveys in the "Survey" portion of this report. The "Est.top TVD Target" listed in the "Survey" report refers to the top of the "Sweet spot" rather than the total 93' thick target zone. The "TVD Diff." or TVD difference is between the survey TVD and the top of the "Sweet spot" in a vertical direction at that survey point. Positive numbers in the "TVD Diff." column indicate the well path is above the "Sweet spot", negative values indicate the survey TVD is below the top of the "Sweet spot", and values more negative than -27' [e.g. -29'] indicate drilling below the base of the "Sweet spot". The "Est.Dip" is given in degrees, with positive values indicating dip up [or greater than 90° bed inclination] and negative values indicating dip down [or less than 90° bed inclination] as seen from the perspective of the surface location.

The interpreted formation dip near the surface location approached 16° up toward the east. Between the surface location and 1,375' vertical section the dip rate declined to an estimated 4.27°. The apparent dip increased gradually to 6.6° between 1,375' and 1,500' vertical section. The dip angle apparently declined to 0° [horizontal] between 1,500' and 2,080' vertical section. The structure rolled over to a down dip [as perceived looking east from the surface location] between 2,080' and 2,236' vertical section, dipping at approximately -2.5°. The apparent structural dip became flat or horizontal again at 2,266' vertical section before rolling back into an up dip. The structure appeared to rise from a 1.6° to a 3° up dip between

2,266' and 2,725' vertical section, then flattening out to horizontal at 2,785' vertical section. The structure once again rolled over and began dipping downward for the balance of the lateral. Internal markers in the MWD gamma ray were not very diagnostic through the later portions of the Elkhorn UPRR 19-2X, but dips were estimated to range between -1.8° and -1.2° down.

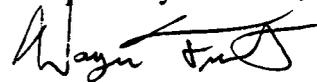
OVERVIEW:

Geologic evaluation of the lateral from 12,428' MD to total depth was restricted by the lack of mud gas and sample returns. However, some useful information was concluded from other forms of data. Evaluation of the MWD gamma ray data was invaluable in determining the stratigraphic position of the well path as well as potential fault offsets. Monitoring the rate of mud loss and the variations in the pump pressure [as an indication of the fluid level in the annulus] was useful in identifying zones of possible fracturing. Rate of penetration information was also evaluated for possible fracture indications. It should be noted, however, that these types of evaluations are only reliable when continuously monitored and filtered for variables in drilling parameters [e.g. changes in; pumps and pump rates at the surface, mud additives, weight on bit, rotary RPM, sliding versus rotation, the use of "wagging" (alternating rotation & spin back), mud motor stalling, etc.]. This type of careful evaluation requires constant [i.e. 24 hour] supervision.

CONCLUSIONS:

- 1) The Elkhorn UPRR 19-2X was successful in re-drilling to the Twin Creek and horizontally penetrating the targeted lower-most Watton Canyon.
- 2) A total measured depth of 14,110' [TVD 10,418'] was reached in the lateral at a bottom hole location 461' north and 3,873' east of the surface location. Total vertical section was 3,900'.
- 3) A total of 2,540' of the primary target zone were drilled in the lateral, with an additional 474' drilled in the unit just below the base of the target zone. A total of 1,986' were drilled in the "Sweet spot".
- 4) The Elkhorn UPRR 19-2X was not plagued by the hole sloughing problems of the original horizontal attempt [the Elkhorn #1H UPRR 19-2]. Aside from some manageable tight hole conditions at connections and while tripping in, hole conditions were quite good.
- 5) The potentially oil productive portion of the Watton Canyon member of the Twin Creek Formation began at least 27' stratigraphically above the primary target zone. The lower stratigraphic boundary of the potential pay zone was penetrated during two separate portions of the lateral, with no extremely detrimental effects. At least one major fracture/fault was encountered below the target.
- 6) The obvious interference with the production at the Exxon Newton Sheep 18-1 indicates at least one major fracture network in common with the Elkhorn UPRR 19-2X.
- 7) The production casing [lining] of the well seems well justified in order to adequately test the productive potential of the Twin Creek from a horizontal well bore.

Respectfully submitted,



Wayne Freisatz
Sunburst Consulting

WELL DATA SUMMARY

OPERATOR: UNION PACIFIC RESOURCES COMPANY

ADDRESS: 801 Cherry Street, MS #3706
Ft. Worth, Texas 76102

WELL NAME: Elkhorn UPRR 19-2X

SURFACE LOCATION: 2,176' FNL 554' FWL (re-surveyed)
Sec 19, T2N, R7E

BOTTOM HOLE LOCATIONS: 461' north, 3,873' east
of surface location

COUNTY: Summit

STATE: Utah

FIELD: Elkhorn Ridge

BASIN: Overthrust Belt

WELL TYPE: redrill for horizontal Twin Creek

PERMIT #: API# 43-043-30068

BASIS OF PROSPECT: Well control, seismic

ELEVATION: GL: 6721' SUB: 24' KB: 6745'

START OPERATIONS: 23:00 July 5, 1993

TOTAL DEPTH/DATE: 02:54 Sept. 20, 1993, 14,110' MD, 10,418' TVD

BOTTOM HOLE DATA:

Kick-off Point:	10,143'
Vertical Section:	3,900'
Final Azimuth:	83.3°
Target exposed:	3,014'
"Sweet spot" exposed:	2,460'

TOTAL DAYS: 77 **DRILLING HOURS:** 1,181.5 rotating hours

STATUS OF WELL: cased for Twin Creek completion

CONTRACTOR: SST Drilling Rig #56

TOOLPUSHER: "Doc" Asay

FIELD SUPERVISORS: Don Presenkowski, Bobby Cooper

MUD ENGINEERS: Grant Newton - Milpark Drilling Fluids 0-1184'
Forest Slator, Lyndon Pence, Roger Guthrie - Baroid 1184-TD

MUD TYPE: fresh water/gel

WELLSITE GEOLOGIST: Wayne Freisatz, Gary Splittberger - Sunburst Consulting

PROSPECT GEOLOGIST: Ross Matthews - UPRC

MUDLOGGER: Mick Bowman, Nancy Auren - Sunburst Consulting

DIRECTIONAL WORK: Sperry Sun Drilling Services

DRILLERS: Paul Davis, Don Heth

MWD COMPANY: Sperry-Sun Drilling Services

ENGINEERS: Frank Schulte, Tom Saims

WIRELINE STEERING: Scientific Drilling International

GEOLOGICAL SAMPLING PROGRAM:
30' caught by the rig crews from 7,050' to 10,130'
10' caught by the mudloggers from 10,143' to 12,420'
No returns from 12,420' to 14,110' (TD)

HOLE SIZE:
17.5" from surface to 2,234'
12.25" from 2,234' to 2,239'
9.875" from 2,239' to 10,130'
6.5" from 10,130' to 14,110'

CASING: 69 jts. 7.75" LS125 46.1# LT&C, & 160 jts. 7.625" S95 29.7# LT&C
set at 10,130'
pre-perforated liner run after Sunburst released

DRILL STEM TESTS: None

CORE PROGRAM: None

ELECTRIC LOGS: Atlas Wireline Service ran a Dual Laterolog - Gamma Ray from 10,122'
to ground surface prior to intermediate casing.

Schlumberger Well Services ran a FMS after Sunburst was released.

DISTRIBUTION:

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355 West North Temple
Salt Lake City, Utah 84108-1203

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Fort Worth, Texas 76102
Attn: Record Center - Annex

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Attn: Jane Pereski

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Attn: Bill Lancaster

< SUNBURST CONSULTING >

Operator: Union Pacific Resources Co.	Kick-off: 8/25/93
Well : Elkhorn UPRR 19-2x	Finish: 9/20/93
Location: Summit Co., Utah	Directional Supervision:
Surface : Sec 19, T2N, R7E	Sperry Sun
Date: 09/20/93	Time: 05:42

< Minimum Curvature Method (SPE-3362) Proposed dir: 81.84 >

No.	MD	INC	TRUE		N-S	E-W	SECT	DLS/ 100	Est.top	TVD Diff.	Est. Dip
			AZM	TVD					Target		
0	10000.00	4.84	125.30	9995.53	-56.94	127.45	119.20	0.78	10608.50	612.97	11.5
0	10100.00	4.24	125.30	10095.22	-61.51	133.91	123.82	0.60	10607.56	512.35	11.5
Tie	10130.00	4.54	120.00	10125.13	-62.75	135.84	125.56	1.68	10607.21	482.08	11.5
1	10147.50	6.50	117.30	10142.55	-63.55	137.32	126.91	11.29	10606.94	464.39	11.5
2	10194.55	16.40	123.40	10188.60	-68.44	145.26	134.07	21.17	10605.49	416.89	11.4
3	10225.95	24.00	119.40	10218.05	-74.02	154.53	142.46	24.59	10603.80	385.75	11.4
4	10257.51	31.10	119.80	10246.02	-81.23	167.21	153.99	22.50	10601.50	355.48	11.3
5	10289.18	36.20	117.60	10272.37	-89.64	182.61	168.04	16.55	10598.71	326.34	11.2
6	10317.93	38.50	112.00	10295.23	-96.93	198.44	182.67	14.26	10595.83	300.60	11.1
7	10349.53	43.00	105.50	10319.17	-103.50	217.96	201.06	19.56	10592.25	273.07	11
8	10381.04	46.70	103.60	10341.51	-109.07	239.47	221.56	12.49	10588.30	246.79	10.9
9	10410.38	48.90	102.10	10361.22	-113.89	260.66	241.85	8.40	10584.43	223.21	10.8
10	10442.03	51.80	99.30	10381.41	-118.41	284.60	264.91	11.42	10580.09	198.68	10.7
11	10474.34	55.90	98.00	10400.47	-122.32	310.39	289.88	13.10	10575.46	174.98	10.5
12	10503.22	61.60	98.30	10415.45	-125.82	334.82	313.57	19.76	10571.12	155.67	10.4
13	10534.86	68.40	100.00	10428.81	-130.39	363.11	340.92	22.04	10566.18	137.37	10.2
14	10566.48	75.40	98.30	10438.63	-135.16	392.76	369.60	22.72	10561.10	122.47	10.1
15	10596.51	81.60	94.50	10444.62	-138.42	421.99	398.07	24.08	10556.14	111.52	9.89
16	10628.05	86.30	88.70	10447.94	-139.29	453.32	428.96	23.59	10550.85	102.91	9.71
17	10659.67	91.10	82.70	10448.66	-136.92	484.81	460.47	24.29	10545.56	96.90	9.53
18	10691.27	93.90	79.70	10447.28	-132.10	516.01	492.03	12.98	10540.36	93.08	9.35
19	10723.12	97.80	76.20	10444.03	-125.49	546.98	523.63	16.41	10535.26	91.23	9.17
20	10754.35	99.50	76.10	10439.34	-118.10	576.96	554.35	5.45	10530.40	91.06	8.99
21	10785.79	100.20	73.70	10433.96	-110.03	606.86	585.10	7.84	10525.63	91.67	8.81
22	10815.73	98.50	73.00	10429.09	-101.56	635.17	614.32	6.13	10521.19	92.10	8.64
23	10846.87	96.90	72.10	10424.92	-92.31	664.60	644.77	5.88	10516.66	91.74	8.47
24	10878.18	94.90	73.30	10421.70	-83.05	694.34	675.52	7.44	10512.18	90.47	8.29
25	10910.13	92.60	74.40	10419.61	-74.18	724.96	707.09	7.98	10507.68	88.06	8.11
26	10939.93	92.20	73.10	10418.37	-65.85	753.54	736.57	4.56	10503.57	85.20	7.94
27	10969.38	91.60	72.40	10417.39	-57.12	781.65	765.63	3.13	10499.60	82.21	7.77
28	10998.56	90.40	74.10	10416.88	-48.71	809.59	794.48	7.13	10495.75	78.87	7.61
29	11030.23	90.00	73.30	10416.77	-39.83	839.98	825.83	2.82	10491.66	74.89	7.42
30	11061.86	89.50	74.20	10416.91	-30.98	870.35	857.14	3.25	10487.68	70.78	7.24
31	11092.12	89.40	73.70	10417.20	-22.61	899.43	887.11	1.68	10483.97	66.77	7.07
32	11121.51	87.90	75.50	10417.89	-14.81	927.75	916.26	7.97	10480.44	62.55	6.9
33	11152.61	86.50	76.30	10419.41	-7.24	957.88	947.15	5.18	10476.80	57.39	6.72

No.	MD	INC	TRUE		N-S	E-W	SECT	DLS/ 100	Est.top	TVD Diff.	Est. Dip
			AZM	TVD					Target		
34	11184.26	85.90	80.70	10421.51	-0.95	988.82	978.67	14.00	10473.18	51.67	6.54
35	11213.90	87.30	78.70	10423.27	4.35	1017.93	1008.24	8.23	10469.88	46.61	6.37
36	11245.27	87.70	78.30	10424.64	10.59	1048.64	1039.52	1.80	10466.48	41.85	6.19
37	11274.20	87.40	77.10	10425.87	16.75	1076.88	1068.35	4.27	10463.44	37.57	6.03
38	11303.23	86.80	78.80	10427.34	22.80	1105.23	1097.28	6.20	10460.47	33.13	5.86
39	11334.91	86.80	79.90	10429.11	28.65	1136.31	1128.88	3.47	10457.33	28.22	5.68
40	11364.21	87.70	80.20	10430.51	33.71	1165.14	1158.13	3.24	10454.51	24.00	5.51
41	11395.77	89.80	80.50	10431.20	38.99	1196.24	1189.67	6.72	10451.57	20.37	5.33
42	11425.75	90.20	82.60	10431.20	43.40	1225.90	1219.65	7.13	10448.87	17.67	5.15
43	11457.30	90.00	83.60	10431.15	47.19	1257.22	1251.19	3.23	10446.13	14.98	4.97
44	11488.50	90.30	83.40	10431.07	50.72	1288.22	1282.37	1.16	10443.51	12.44	4.79
45	11517.56	90.40	82.90	10430.89	54.19	1317.07	1311.43	1.75	10441.16	10.27	4.62
46	11548.26	90.10	82.60	10430.76	58.06	1347.52	1342.12	1.38	10438.78	8.02	4.45
47	11579.05	89.70	82.90	10430.81	61.95	1378.07	1372.91	1.62	10436.48	5.67	4.27
48	11610.40	89.90	82.30	10430.92	65.99	1409.16	1404.26	2.02	10434.12	3.20	4.3
49	11641.26	89.60	83.90	10431.05	69.69	1439.79	1435.11	5.28	10431.58	0.53	4.7
50	11673.08	89.60	83.90	10431.28	73.07	1471.43	1466.90	0.00	10428.52	-2.75	5.5
51	11704.56	90.50	83.60	10431.25	76.50	1502.72	1498.37	3.01	10424.88	-6.37	6.6
52	11736.04	91.70	83.90	10430.64	79.93	1534.01	1529.82	3.93	10421.34	-9.30	6.42
53	11767.05	92.70	84.10	10429.45	83.17	1564.83	1560.79	3.29	10418.25	-11.20	5.7
54	11796.56	92.30	85.00	10428.17	85.97	1594.17	1590.24	3.33	10415.40	-12.76	5.53
55	11826.84	91.30	84.10	10427.21	88.84	1624.30	1620.47	4.44	10412.57	-14.65	5.36
56	11858.40	90.90	84.20	10426.61	92.06	1655.69	1652.00	1.31	10409.71	-16.90	5.17
57	11890.05	90.90	85.00	10426.11	95.04	1687.20	1683.60	2.53	10407.17	-18.94	4.6
58	11921.99	89.80	83.30	10425.92	98.29	1718.97	1715.52	6.34	10404.70	-21.21	4.42
59	11951.54	88.70	84.00	10426.30	101.56	1748.33	1745.05	4.41	10402.51	-23.79	4.25
60	11981.43	89.20	84.00	10426.85	104.68	1778.06	1774.91	1.67	10400.39	-26.47	4.07
61	12012.13	90.60	83.70	10426.90	107.97	1808.58	1805.59	4.66	10398.46	-28.45	3.6
62	12043.48	92.20	83.70	10426.14	111.41	1839.73	1836.92	5.10	10396.81	-29.33	3
63	12073.29	94.10	83.40	10424.50	114.75	1869.30	1866.67	6.45	10395.51	-28.99	2.5
64	12102.62	95.50	83.50	10422.05	118.09	1898.34	1895.88	4.79	10394.49	-27.55	2
65	12134.46	96.40	82.40	10418.75	121.97	1929.77	1927.54	4.45	10393.67	-25.08	1.5
66	12166.37	96.90	83.20	10415.05	125.95	1961.21	1959.23	2.94	10392.94	-22.11	1.32
67	12195.06	97.10	83.10	10411.55	129.34	1989.49	1987.70	0.78	10387.55	-24.00	0.5
68	12226.36	96.80	82.90	10407.77	133.13	2020.32	2018.77	1.15	10387.38	-20.39	0.32
69	12256.20	95.60	83.20	10404.54	136.72	2049.77	2048.42	4.14	10387.30	-17.25	0.15
70	12286.96	93.20	83.50	10402.18	140.27	2080.23	2079.08	7.86	10387.30	-14.89	0
71	12317.93	91.80	83.30	10400.83	143.83	2110.97	2110.01	4.57	10388.54	-12.29	-2.3
72	12349.32	91.50	81.80	10399.93	147.89	2142.08	2141.38	4.87	10389.97	-9.96	-2.6
73	12380.74	93.30	79.80	10398.61	152.91	2173.06	2172.77	8.56	10391.39	-7.22	-2.6
74	12412.32	92.80	82.60	10396.93	157.74	2204.22	2204.30	8.99	10392.77	-4.17	-2.5
75	12443.92	92.90	83.00	10395.36	161.69	2235.54	2235.85	1.30	10394.03	-1.33	-2.3
76	12473.97	92.30	82.70	10394.00	165.43	2265.32	2265.87	2.23	10394.03	0.04	0
77	12504.39	91.40	81.70	10393.02	169.55	2295.44	2296.27	4.42	10393.50	0.49	1
78	12534.54	90.60	80.40	10392.49	174.24	2325.22	2326.41	5.06	10392.66	0.17	1.6
79	12566.24	90.20	79.80	10392.27	179.69	2356.45	2358.10	2.27	10391.78	-0.49	1.6
80	12595.87	89.70	80.00	10392.29	184.89	2385.62	2387.71	1.82	10390.95	-1.35	1.6

No.	MD	INC	TRUE		N-S	E-W	SECT	DLS/ 100	Est.top	TVD Diff.	Est. Dip
			AZM	TVD					TVD Target		
81	12626.34	89.10	79.90	10392.61	190.21	2415.62	2418.16	2.00	10390.10	-2.51	1.6
82	12657.82	89.30	79.60	10393.05	195.81	2446.59	2449.62	1.15	10389.22	-3.83	1.6
83	12687.28	89.50	79.70	10393.36	201.10	2475.57	2479.05	0.76	10388.40	-4.96	1.6
84	12716.77	87.90	79.80	10394.03	206.35	2504.58	2508.51	5.44	10387.52	-6.51	1.7
85	12748.53	86.80	79.10	10395.50	212.16	2535.77	2540.21	4.10	10378.00	-17.50	1.8
86	12778.85	86.90	79.30	10397.17	217.83	2565.51	2570.45	0.74	10376.94	-20.22	2
87	12809.63	86.80	79.20	10398.86	223.56	2595.70	2601.16	0.46	10375.87	-22.99	2
88	12841.10	87.10	79.70	10400.53	229.31	2626.60	2632.55	1.85	10374.23	-26.31	3
89	12871.02	87.70	79.90	10401.89	234.61	2656.02	2662.42	2.11	10372.66	-29.23	3
90	12901.93	88.90	79.00	10402.81	240.26	2686.39	2693.29	4.85	10371.04	-31.76	3
91	12933.70	90.00	78.70	10403.11	246.41	2717.56	2725.02	3.59	10369.38	-33.73	3
92	12963.00	90.40	76.10	10403.01	252.80	2746.15	2754.23	8.98	10369.38	-33.63	0
93	12994.71	90.40	79.30	10402.79	259.55	2777.13	2785.85	10.09	10370.21	-32.58	-1.5
94	13026.06	90.30	79.10	10402.60	265.43	2807.92	2817.17	0.71	10371.03	-31.57	-1.5
95	13054.14	90.70	80.00	10402.35	270.52	2835.53	2845.22	3.51	10371.76	-30.59	-1.5
96	13084.62	90.90	80.10	10401.92	275.79	2865.55	2875.68	0.73	10372.56	-29.36	-1.5
97	13114.24	90.90	80.10	10401.46	280.88	2894.73	2905.29	0.00	10373.34	-28.12	-1.5
98	13145.83	91.40	79.70	10400.83	286.42	2925.82	2936.85	2.03	10392.50	-8.33	-1.5
99	13177.71	91.40	80.10	10400.05	292.01	2957.20	2968.70	1.25	10393.50	-6.55	-1.8
100	13209.31	90.60	79.10	10399.50	297.71	2988.27	3000.27	4.05	10394.49	-5.00	-1.8
101	13239.39	90.10	80.80	10399.31	302.96	3017.89	3030.34	5.89	10395.44	-3.87	-1.8
102	13269.82	90.20	80.20	10399.23	307.98	3047.90	3060.76	2.00	10396.39	-2.84	-1.8
103	13301.54	89.50	80.20	10399.31	313.38	3079.16	3092.46	2.21	10397.17	-2.15	-1.4
104	13331.03	88.20	80.10	10399.91	318.42	3108.21	3121.94	4.42	10397.89	-2.02	-1.4
105	13362.69	88.10	79.00	10400.93	324.16	3139.33	3153.55	3.49	10398.66	-2.27	-1.4
106	13394.37	87.90	80.10	10402.03	329.90	3170.46	3185.19	3.53	10399.43	-2.60	-1.4
107	13425.98	88.20	79.90	10403.11	335.39	3201.57	3216.76	1.14	10400.21	-2.90	-1.4
108	13457.63	88.40	80.20	10404.05	340.86	3232.73	3248.38	1.14	10400.98	-3.07	-1.4
109	13489.24	87.50	81.00	10405.18	346.02	3263.90	3279.97	3.81	10401.75	-3.43	-1.4
110	13520.83	86.40	79.70	10406.86	351.30	3295.00	3311.50	5.39	10402.52	-4.34	-1.4
111	13552.43	86.30	80.10	10408.87	356.83	3326.04	3343.02	1.30	10403.29	-5.58	-1.4
112	13584.07	86.60	80.90	10410.83	362.05	3357.19	3374.59	2.70	10404.06	-6.77	-1.4
113	13615.67	88.10	80.60	10412.29	367.12	3388.34	3406.15	4.84	10404.84	-7.46	-1.4
114	13647.25	89.50	80.50	10412.95	372.30	3419.49	3437.71	4.44	10405.61	-7.35	-1.4
115	13678.87	89.30	80.20	10413.28	377.60	3450.66	3469.32	1.14	10406.38	-6.91	-1.4
116	13710.30	89.50	79.50	10413.61	383.14	3481.59	3500.73	2.32	10407.15	-6.47	-1.4
117	13741.70	89.90	79.20	10413.78	388.95	3512.45	3532.10	1.59	10407.80	-5.97	-1.2
118	13771.90	89.40	79.50	10413.96	394.53	3542.13	3562.27	1.93	10408.44	-5.53	-1.2
119	13802.30	88.30	79.00	10414.57	400.20	3571.99	3592.63	3.97	10409.07	-5.50	-1.2
120	13832.86	89.00	77.30	10415.29	406.47	3601.89	3623.12	6.01	10409.71	-5.58	-1.2
121	13864.69	88.90	78.10	10415.88	413.25	3632.99	3654.86	2.53	10410.38	-5.50	-1.2
122	13894.65	88.90	78.50	10416.45	419.32	3662.32	3684.76	1.33	10411.00	-5.45	-1.2
123	13923.64	88.90	78.00	10417.01	425.23	3690.69	3713.68	1.72	10411.61	-5.40	-1.2
124	13953.16	89.20	78.10	10417.50	431.34	3719.57	3743.14	1.07	10412.22	-5.27	-1.2
125	13984.73	89.30	78.80	10417.91	437.66	3750.50	3774.65	2.24	10412.88	-5.03	-1.2
126	14016.40	89.70	78.70	10418.19	443.84	3781.56	3806.27	1.30	10413.55	-4.64	-1.2
127	14048.06	90.00	78.50	10418.27	450.09	3812.59	3837.88	1.14	10414.21	-4.06	-1.2

No.	MD	INC	TRUE		N-S	E-W	SECT	DLS/ 100	Est.top		Est. Dip
			AZM	TVD					TVD Target	TVD Diff.	
128	14067.00	90.00	79.50	10418.27	453.71	3831.19	3856.80	5.28	10414.61	-3.66	-1.2
129	14110.00	90.00	79.50	10418.27	461.54	3873.47	3899.76	0.00	10415.51	-2.76	-1.2

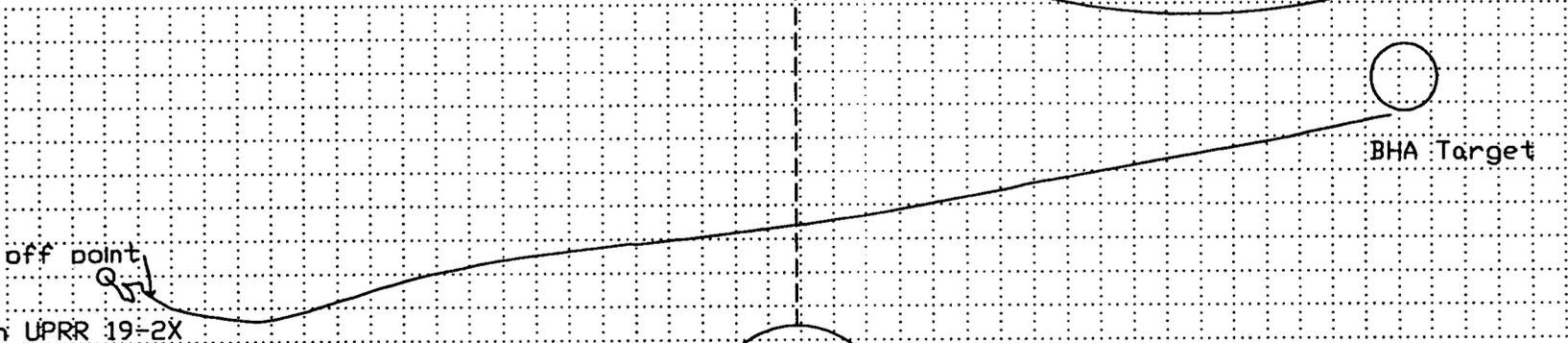
Exxon 18-1 Newton Sheep
BHL 560' FSL, 1,443' FEL

Union Pacific
Resources Co.

Elkhorn UPRR 19-2X
Summit Co., Utah

corrected location
Township 2 N., Range 7 E.
Section 19
2,176' FNL, 554' FWL
Salt Lake Base & Meridian

2,000' Setback
from Exxon BHL



Kick off point

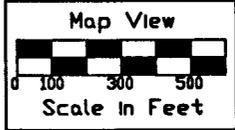
BHA Target

Elkhorn UPRR 19-2X

19

Plotted to projected
depth 14110'(TD)
TVD 10,418.27'

9/20/93



Sunburst
Consulting
Wayne Freisatz
Geologist

BIT RECORD

CONTRACTOR: SST Rig #56

#1 & #2 PUMP, MAKE & MODEL: National 9-P100 9.25 stroke

RIG MAKE & MODEL: National 80UE

SPUD DATE: July 5, 1993

T.D. DATE: Sept. 20, 1993

BIT #	SIZE	MAKE/TYPE	JETS	SERIAL #	DEPTH		HOURS	ACCUM.			VERT.		WT.	VIS	WL	DULL COND.		
					OUT	FEET		HOURS	WOB	RPM	DEV.	PP				T	B	G
1	17.5"	HTC X3A	18 18 18	RD306	333'	259'	22	22	10/20	90	3/4°	650	8.5	45	--	4	4	4
2	17.5"	RTC S51J	18 18 18	D07402	987'	654'	51.5	73.5	15/20	120	1.5°	1400	9.1	51	20	4	F	4
3	17.5"	RTC Y11JC	3-16,1-14	R09020	1399'	412'	30.5	104	15/20	120	1.5°	1400	9.0	39	16.8	4	4	1
4	17.5"	RTC Y11JC	3-16,1-14	D67744	1878'	479'	39.5	143.5	15/60	120	.75°	1500	9.1	46	16.5	8	7	8
5	17.5"	STC 15JS	18 18 18	M0623	2104'	226'	19.5	163	40/50	90	1.5°	1200	9.3	46	17.6	6	E	1
6	17.5"	RTC S11	open	M43926	2234'	130'	16	179	40/50	90	1.25°	1200	9.3	46	17.6	5	5	I
7	12.25"	HTC X3A	open	WW997	2239'	5'	0.5	179.5	10/40	70/80	--	1150	8.5	49	8.0	3	6	2
8	9.875"	HTC ATJ22	3-13,1-10	C33WR	2829'	540'	34.5	214	15/20	120	3.25°	1800	8.5	38	8.0	2	E	I
9	9.875"	RTC HP51A	15 15 15	E70617	4208'	1379'	55.75	269.75	25	140MM	2°	1800	8.9	36	7.0	3	7	2
10	9.875"	HTC ATJ22	20 20 20	C35WR	4798'	590'	33.5	303.25	25/30	140MM	1.4°	1900	8.9	38	6.8	2	2	I
11	9.875"	STC F15	22 22 22	KP9497	5971'	1173'	67	370.25	30/40	140MM	1.8°	2100	8.9	40	8.0	8	F	2
12	9.875"	Sec S84F	20 20 18	568791	6536'	565'	36.5	406.75	35/50	130MM	2.3°	2000	8.9	35	8.6	8	E	3
13	9.875"	RTC HP51A	20 20 18	E70596	7435'	899'	53.5	460.25	30/35	145MM	2.2°	1800	9.6	39	9.6	7	E	2
14	9.875"	RTC HP12	18 18 18	T3432	7435'	0'	8	468.25	--	--	2.2°	1550	10.0+	46	9.2	5	E	1
15	9.875"	RTC HP53A	24 24 18	K38229	7909'	472'	43.5	511.75	40	160MM	1.2°	1800	10.0	44	10.8	8	F	4
16	9.875"	RTC HP53A	24 24 20	K39278	8440'	533'	62	573.75	40/45	130MM	2.3°	1800	10.0	50	10.6	8	E	2

DAILY DRILLING ACTIVITY

<u>DAY</u>	<u>DATE</u>	<u>DEPTH</u>	<u>PROG</u>	<u>BIT</u>	<u>WOB</u>	<u>RPM</u>	<u>PP</u>	<u>WT</u>	<u>VIS</u>	<u>PV/YP</u>	<u>pH</u>	<u>WL</u>	<u>CL</u>	<u>SOL</u>	<u>ACTIVITY</u>	<u>FORMATION</u>
1	7/6/93	120'	120'	1	10/20	90	200	8.5	45	8/26	10.5	---	2800	1.0	Drill	
2	7/7	357'	237'	2	15/25	40/80	650	8.7	44	6/16	10.5	22.0	2800	3.0	Drill	
3	7/8	730'	373'	2	15/40	40/120	1350	8.8	70	7/38	10.0	22.0	2800	4.0	Drill	
4	7/9	950'	220'	2	20/25	120	1400	9.1	50	5/20	9.5	30.0	2300	6.0	Drill	
5	7/10	1207'	257'	3	15/20	120	1400	9.1	51	10/15	9.0	20.0	1500	6.0	Drill	
6	7/11	1419'	212'	4	15	130	1400	9.0	39	7/10	8.5	16.8	850	4.8	Drill	TERTIARY
7	7/12	1645'	226'	4	15/30	130	1500	9.0	49	10/15	8.5	15.2	800	4.6	Drill	TERTIARY
8	7/13	1878'	233'	4	30/60	95/120	1500	9.1	46	11/12	8.0	16.5	800	5.6	Trip for hole in pipe	TERTIARY
9	7/14	2068'	190'	5	40/50	80/110	1500	9.3	40	9/10	8.0	17.2	800	6.8	Drill	FRONTIER
10	7/15	2214'	146'	6	40	90	1200	9.3	46	9/13	8.0	17.6	700	7.0	Drill	FRONTIER
11	7/16	2234'	20'	6	40/50	80/110	1200	---	---	---	---	---	---	---	Wait on cement	FRONTIER
12	7/17	2234'	0'	-	---	---	---	8.4	65	28/42	9.5	---	400	0.1	Test BOP's	FRONTIER
13	7/18	2321'	87'	8	17/20	70	1150	8.5	49	15/21	9.5	8.0	400	1.0	Drill	FRONTIER
14	7/19	2720'	399'	8	20/35	80/115	1900	8.5	38	8/7	8.5	8.0	400	1.0	Drill	FRONTIER
15	7/20	2910'	190'	9	15	120	1800	8.8	39	9/9	9.0	7.8	350	2.0	TOH 1/2MM,MWD	FRONTIER
16	7/21	3395'	485'	9	20/25	100/140	1900	8.9	43	15/11	8.5	8.0	300	4.0	Drill	FRONTIER
17	7/22	4023'	628'	9	25	100/140	1900	9.1	38	9/7	8.0	7.4	300	5.0	Drill	KELVIN
18	7/23	4355'	332'	10	25	100/140	1900	8.9	36	7/6	8.5	7.0	300	3.5	Drill	KELVIN
19	7/24	4752'	397'	10	25/30	100/140	1900	9.0	40	13/10	7.5	7.0	350	4.0	Drill	KELVIN
20	7/25	5035'	283'	11	15/40	100/140	1900	8.9	38	9/10	7.5	6.8	450	4.0	Drill	KELVIN
21	7/26	5540'	505'	11	30/40	100/140	2100	8.9	40	11/10	8.0	7.2	450	3.0	Drill	KELVIN
22	7/27	5932'	392'	11	35	100/140	2100	8.8	43	10/13	10.0	7.6	550	3.0	Drill	KELVIN
23	7/28	6190'	258'	12	40/50	80/120	2050	8.9	40	13/10	9.5	8.0	550	3.0	Drill	KELVIN
24	7/29	6518'	328'	12	35/50	80/130	2000	8.9	35	7/7	9.5	8.6	500	3.5	Drill	KELVIN
25	7/30	6664'	146'	13	30/35	80/120	1900	8.9	36	6/7	9.5	8.4	500	3.5	Drill	KELVIN
26	7/31	7159'	498'	13	25/30	120/145	1750	8.9+	36	8/8	9.5	8.2	600	4.0	SI w/water flow	STUMP
27	8/1	7435'	276'	13	30/35	120/145	1800	9.6	39	13/11	8.0	9.6	1200	7.0	TOH for bit	STUMP
28	8/2	7435'	0'	-	---	---	---	9.7	39	13/11	8.5	9.4	1300	7.25	TOH w/fishing tools	STUMP

<u>BIT #</u>	<u>SIZE</u>	<u>MAKE/TYPE</u>	<u>JETS</u>	<u>SERIAL #</u>	<u>OUT</u>	<u>FEET</u>	<u>HOURS</u>	<u>HOURS</u>	<u>WOB</u>	<u>RPM</u>	<u>DEV.</u>	<u>PP</u>	<u>WT.</u>	<u>VIS</u>	<u>WL</u>	<u>T</u>	<u>B</u>	<u>G</u>
17	9.875"	RTC HP53A	22 22 22	T13657	8868'	428'	50.75	624.5	40/45	130MM	1.6°	1800	10.0	50	10.8	8	F	4
18	9.875"	RTC HP53A	20 20 18	K38225	9775'	907'	77.25	701.75	50	60	3.25°	1700	10.5	36	11.6	4	E	2
19	9.875"	STC F3	20 20 18	KN6172	10130'	355'	54.5	756.25	50	60	4.25°	1500	10.6	40	10.4	2	E	I
20	6.5"	Sec S33F	16 16 16	621858	10143'	13'	2	758.25	20	60	4.25°	1400	10.2	32	17.8	6	6	I
21	6.5"	RTC EHP53A	16 16 16	TH6671	10355'	212'	18.75	777	15	237MM	43°	1750	9.9	31	36	2	E	I
22	6.5"	RTC EHP53A	18 18 18	TH6677	10798'	443'	38.75	815.75	15	240MM	98.5°	1750	9.7	29	-	1	E	I
23	6.5"	RTC EHP53A	18 18 18	TH6755	11302'	504'	50	865.75	10/12	270MM	86.8°	1500	8.8	27	-	1	E	I
24	6.5"	RTC EHP53A	20 18 18	TH6754	11970'	668 ^{***}	60.25	926	10/20	270MM	88.7°	1500	8.4	27	-	1	E	I
25	6.5"	RTC EHP53A	20 18 18	CB4446	12428'	458'	46.75	972.75	10/20	270MM	92.8°	1250	8.4	28	-	1	E	I
26	6.5"	RTC EHP53A	20 18 18	BL6840	12922'	494'	48.75	1021.5	5/10	270MM	87.7°	1000	8.3	28	-	2	E	I
21RR	6.5"	RTC EHP53A	16 16 16	TH6671	12932'	10'	4.0	1025.5	12/20	60	87.7°	400	8.3	28	-	2	E	I
27	6.5"	RTC EHP53A	18 18 18	TH6667	13840'	908'	72.75	1098.25	5/20	330MM	89.0°	700	8.3	28	-	8	F	2
25RR	6.5"	RTC EHP53A	15 15 15	CB4446	14110'	270'	16.0	1114.25	10	330MM	90.0°	500	8.3	28	-	1	E	I

*9' strap depth correction

***18' strap depth correction

<u>DAY</u>	<u>DATE</u>	<u>DEPTH</u>	<u>PROG</u>	<u>BIT</u>	<u>WOB</u>	<u>RPM</u>	<u>PP</u>	<u>WT</u>	<u>VIS</u>	<u>PV/YP</u>	<u>pH</u>	<u>WL</u>	<u>CL</u>	<u>SOL</u>	<u>ACTIVITY</u>	<u>FORMATION</u>
29	8/3	7435'	0'	14	---	---	1550	9.8+	46	14/15	8.8	9.2	1500	8.0	Circ w/fishing tools	STUMP
30	8/4	7435'	0'	14	---	---	1550	10.0+	50	18/19	8.8	8.0	1600	9.0	TOH f/fishing tools	STUMP
31	8/5	7435'	0'	--	---	---	---	10.0+	56	22/25	8.5	9.2	1500	9.0	P/U MM & MWD	STUMP
32	8/6	7663'	228'	15	40	90/130	1800	10.0+	47	13/14	8.8	9.6	1500	9.0	Drill	PREUSS
33	8/7	7898'	235'	15	40	90/130	1800	10.0	44	12/13	9.0	10.8	1400	9.0	Drill	PREUSS
34	8/8	8018'	129**	16	40	90/130	1800	10.0	43	11/12	8.8	12.8	1400	9.0	Drill	PREUSS
35	8/9	8241'	223'	16	40/45	90/130	1800	10.0	50	11/15	9.0	10.6	1250	9.2	Drill	PREUSS
36	8/10	8440'	199'	16	45	90/130	1800	10.0	43	10/16	8.8	18.0	1250	9.0	Circ. & cond. mud	PREUSS
37	8/11	8477'	37'	17	45	90/130	1950	10.0	40	10/9	10.5	8.8	1250	9.0	Drill	PREUSS
38	8/12	8733'	256'	17	40/50	90/130	2000	9.9+	43	12/9	11.0	10.2	1300	9.0	Short trip	PREUSS
39	8/13	8868'	135'	17	40	90/130	1800	10.0	50	14/12	11.5	10.8	1700	9.0	Circulate	PREUSS
40	8/14	8868'	0'	18	--	---	1800	10.0	48	13/19	8.0	8.4	154K	3.1	Circulate	PREUSS
41	8/15	9010'	142'	18	40/50	60	1650	10.3	38	11/7	8.2	10.8	178K	3.8	Drill	PREUSS SALT
42	8/16	9426'	416'	18	45/50	60	1700	10.3+	41	14/10	8.0	10.2	184K	3.9	Drill	PREUSS SALT
43	8/17	9649'	223'	18	45/50	60	1700	10.4	36	9/7	8.3	9.8	182K	4.3	Short trip	BASE SALT
44	8/18	9775'	126'	18	50	60	1700	10.5	36	16/7	8.0	11.6	184K	5.0	Trip for bit	TWIN CREEK
45	8/19	9906'	131'	19	50	60	1400	10.5	37	8/7	9.0	10.2	184K	5.0	Drill	TWIN CREEK
46	8/20	10058'	152'	19	50	60	1500	10.6	41	11/7	8.5	10.6	182K	5.7	Drill	TWIN CREEK
47	8/21	10130'	72'	19	50	60	1500	10.5	40	11/8	8.5	10.4	183K	5.3	Lay down collars	LEEDS CREEK
48	8/22	10130'	0'	19	50	60	1500	10.5	43	16/10	8.5	10.2	182K	5.3	Rig up Dowell	LEEDS CREEK
49	8/23	10130'	0'	19	50	60	1500	10.2	43	7/3	8.4	16.6	178K	3.2	Lay down pipe	LEEDS CREEK
50	8/24	10130'	0'	19	50	60	1500	10.2	34	7/3	8.4	17.6	170K	3.2	Pick up 4" pipe	LEEDS CREEK
51	8/25	10143'	13'	20	15/20	40/60	1400	10.2	32	5/2	10.0	17.8	168K	3.6	Rig up Sperry	LEEDS CREEK
52	8/26	10228'	85'	21	15	237	1850	10.1	33	2/5	10.0	18.8	160K	3.4	Drill (slide)	LEEDS CREEK
53	8/27	10373'	145'	22	10/12	237	1800	9.9+	31	4/2	9.2	36.0	125K	3.8	Drill (slide)	LEEDS CREEK
54	8/28	10486'	113'	22	10/15	237	1750	9.8	30	5/2	9.2	32.0	110K	4.2	Trip for BHA	LEEDS CREEK
55	8/29	10626'	140'	22	15/20	237	1750	9.8	30	4/2	9.5	48.0	110K	4.25	Drill (slide)	WATTON CANYON
56	8/30	10798'	172'	22	15/20	237	1750	9.7	29	4/1	9.0	81.4	98K	4.2	Trip for BHA	WATTON CANYON
57	8/31	10954'	156'	23	15	40/237	1800	9.3+	29	3/0	10.0	nc	80K	2.4	Drill (rotate)	WATTON CANYON
58	9/01	11210'	256'	23	10/12	40/237	1700	8.9	27	1/0	10.5	nc	41K	1.8	Drill (slide)	TARGET
59	9/02	11311'	101'	24	10	237	1500	8.8	27	1/1	9.0	nc	35K	1.6	Drill (slide)	TARGET
60	9/03	11616'	305'	24	10	40/237	1350	8.7+	27	1/1	9.8	nc	35K	1.0	Drill (rotate)	TARGET
61	9/04	11845'	229'	24	10/15	40/237	1600	8.5	27	-	8.8	nc	10K	0.6	Drill (rotate)	SWEET SPOT
62	9/05	11970'	143***	24	10	40/237	1700	8.4+	27	-	8.5	nc	3K	0.8	Trip for Motor	SWEET SPOT

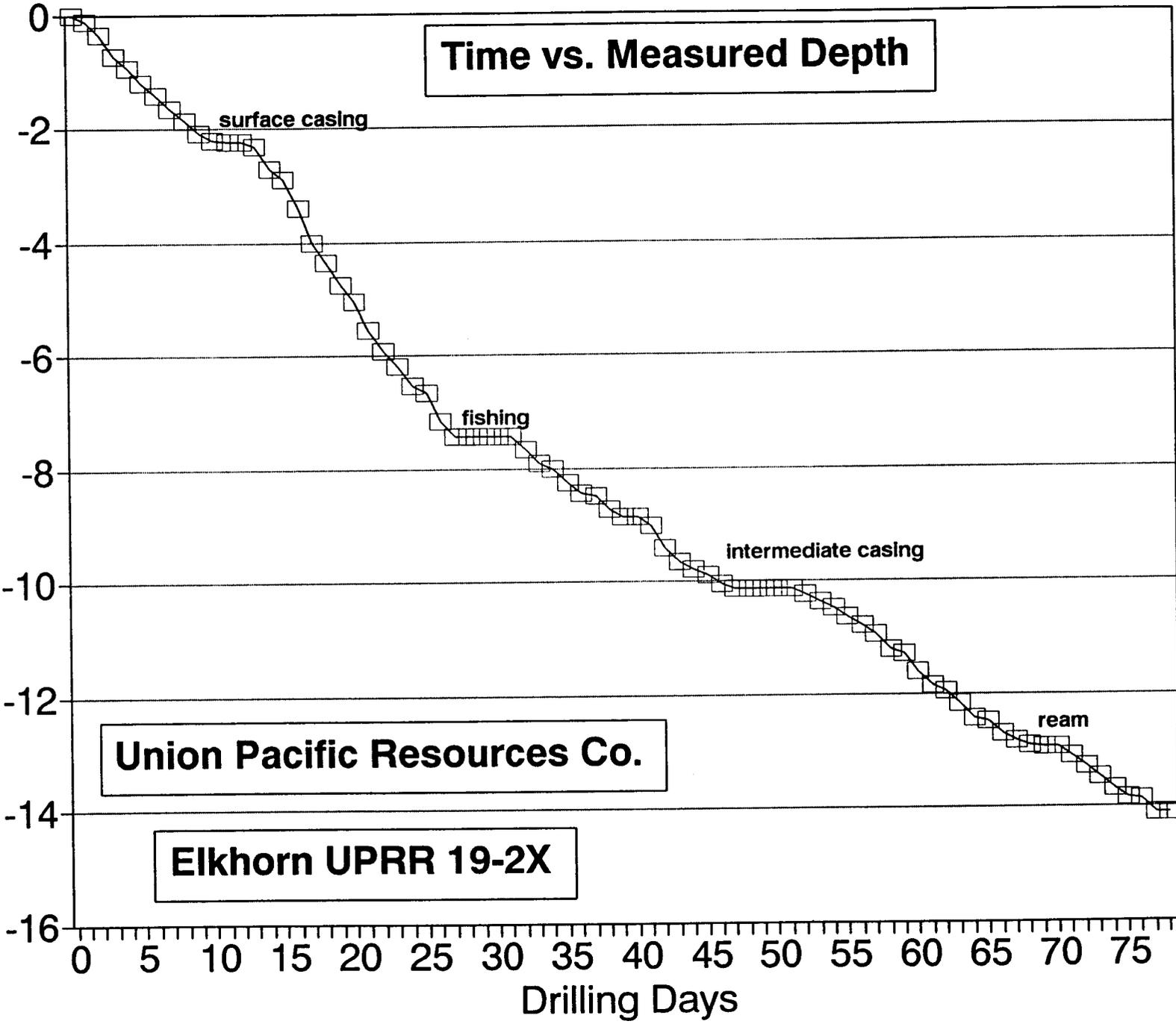
<u>DAY</u>	<u>DATE</u>	<u>DEPTH</u>	<u>PROG</u>	<u>BIT</u>	<u>WOB</u>	<u>RPM</u>	<u>PP</u>	<u>WT</u>	<u>VIS</u>	<u>PV/YP</u>	<u>pH</u>	<u>WL</u>	<u>CL</u>	<u>SOL</u>	<u>ACTIVITY</u>	<u>FORMATION</u>
63	9/06	12184'	214'	25	20	40/237	1500	8.4+	27	-	8.4	nc	2K	0.7	Drill (slide)	SWEET SPOT
64	9/07	12428'	244'	25	15/30	40/237	1400	8.4+	27	-	8.0	nc	1.5K	0.7	Pump sweep	SWEET SPOT
65	9/08	12488'	60'	26	0/40	12/237	1250	8.4	28	1/1	8.2	nc	2.6K	0.4	Drill (rotate)	SWEET SPOT
66	9/09	12693'	205'	26	10/20	60/237	1050	8.4	28	1/1	10.0	nc	1K	0.4	Drill (rotate)	SWEET SPOT
67	9/10	12836'	143'	26	10/15	60/237	1000	8.4	28	-	10.5	nc	900	0.4	Drill (slide)	SWEET SPOT
68	9/11	12922'	86'	26	8/10	60/237	1000	8.4	28	-	10.0	nc	900	0.4	Work tight hole	BOT.SWEET SPOT
69	9/12	12929'	7'	21RR	12/20	60	400	8.3	28	-	9.0	nc	600	-	Drill (rotate)	BOT.SWEET SPOT
70	9/13	12932'	3'	27	12/20	60	100	8.3	28	-	8.5	nc	600	-	Check BHA for leak	BOT.SWEET SPOT
71	9/14	13092'	160'	27	10/20	60/310	1100	8.3	28	-	8.5	nc	600	-	Drill (rotate)	BOT.SWEET SPOT
72	9/15	13283'	191'	27	5/10	60/310	1200	8.3	28	-	8.0	nc	500	-	Ream tight hole	SWEET SPOT
73	9/16	13473'	190'	27	5/10	60/310	1200	8.3	28	-	8.0	nc	500	-	Drill (slide)	SWEET SPOT
74	9/17	13693'	220'	27	10	60/310	1200	8.3	28	-	8.0	nc	500	-	Drill (slide)	SWEET SPOT
75	9/18	13840'	147'	27	5/15	60/330	700	8.3	28	-	8.0	nc	500	-	Trip for bit & motor	SWEET SPOT
76	9/19	13863'	23'	25RR	10	60/330	650	8.3	28	-	8.0	nc	500	-	Drill (rotate)	SWEET SPOT
77	9/20	14110'	247'	25RR	10	60/330	500	8.3	28	-	8.0	nc	500	-	Trip to ream	SWEET SPOT
78	9/21	14110'	0'	25RR	-	-	500	8.3	28	-	8.0	nc	500	-	Trip out	TOTAL DEPTH

* 9' uphole strap depth correction

** 18' uphole strap depth correction

Thousands of feet Measured Depth

(Thousands)



DRILLING CHRONOLOGY

- Day 1 7/6/93 - Spud @ 23:00 7/5/93; drill to 120'
- Day 2 7/7/93 - Drill to 179'; TOH; install string IBS's 70' & 100' above bit; TIH - no tight spots; drill to 333'; TOH to check bit; change out bit; TIH with NB #2; drill to 357'
- Day 3 7/8/93 - Drill to 730'
- Day 4 7/9/93 - Drill to 950'
- Day 5 7/10/93 - Drill to 987'; circulate; TOH for bit; cut 90' drilling line; TIH with bit #3 - tight at 930'; wash and ream out-of-gauge hole 930'-987'; drill to 1207'
- Day 6 7/11/93 - Drill to 1399'; TOH; change out bit; TIH with NB #4; wash and ream 60' to bottom; drill to 1419'
- Day 7 7/12/93 - Drill to 1645'
- Day 8 7/13/93 - Drill to 1878'; lost 200 psi pump pressure; circulate and check pumps; TOH for hole in string; lay down one joint drill pipe; TOH to check remainder of string and bit
- Day 9 7/14/93 - TOH; pick up BHA and tools; lay down 10' drill collar and shock sub; change out bit; TIH with NB #5; tag out-of-gauge hole at 1850'; wash and ream 1850'-1878'; drill to 2068'
- Day 10 7/15/93 - Drill to 2104'; lost 300 psi pump pressure; circulate and check pumps; TOH for hole in string - found no holes; bit badly worn; wait on bit; change out bit; TIH with NB #6; drill to 2214'
- Day 11 7/16/93 - Drill to 2234'; circulate; short trip - 10 stands; circulate bottoms up; drop multi-shot and TOH; lay down BHA and tools; rig-up casing crew and run casing; shoe set at 2228'; circulate; cement casing; wait on cement
- Day 12 7/17/93 - Wait on cement; cut off 20" conductor casing and 13 3/8" casing; weld on head; nipple up BOP; test BOP's

Day 13 7/18/93 - Test BOP's; install and tighten turnbuckles on BOP stack; pick up NB #7 and bit sub; TIH; pick up 3 joints drill pipe; tag cement at 2172'; pressure test casing to 1500 psi for 10 minutes - OK; drill cement and shoe; drill new hole to 2239'; circulate and condition mud; displace hole with polymer mud; TOH; lay down 21 joints drill pipe; TOH; inspect 6 1/2" drill collars and stand back; lay down 8" drill collars; pick up BHA and tools; install wear bushing; pick up 9 7/8" bit, shock sub, bit sub 8" monel drill collar, IBS's, 7 1/2" drill collars, and heavy-weight drill pipe; TIH with 5" drill pipe and NB #8; drill to 2321'

Day 14 7/19/93 - Drill to 2720'

Day 15 7/20/93 - Drill to 2829'; TOH for pressure loss; center jet on bit washed out; change out bit; TIH with NB #9; drill to 2910'; drop multi-shot and TOH

Day 16 7/21/93 - TOH; lay down IBS's and monel drill collar; rig up Sperry MWD; TIH with BHA; test mud motor and MWD; TIH; orient tool face; drill to 3395'

Day 17 7/22/93 - Drill to 4023

Day 18 7/23/93 - Drill to 4208'; TOH; change out bit and MWD; TIH with NB #10; wash and ream 10' to bottom; drill to 4355'

Day 19 7/24/93 - Drill to 4752'

Day 20 7/25/93 - Drill to 4798'; TOH for mud motor; change out motor and bit; change out gear chains in drawworks; TIH with NB #11; wash and ream 23' to bottom; drill to 5035'

Day 21 7/26/93 - Drill to 5540'

Day 22 7/27/93 - Drill to 5932'

Day 23 7/28/93 - Drill to 5971'; circulate bottoms up; TOH for bit; change out bit, mud motor, and MWD probe; TIH with NB#12; test motor and MWD; TIH; wash and ream 75' to bottom; drill to 6190'

Day 24 7/29/93 - Drill to 6518'

- Day 25 7/30/93 - Drill to 6536'; circulate bottoms up; TOH for bit #13; change out bit; TIH with NB #13; test motor and MWD; cut 110' drilling line; TIH; wash and ream 45' to bottom; drill to 6630'; circulate bottoms up; TOH; check alignment on MWD and motor - scribe line on motor off 170 degrees; change out hang-off sub and MWD probe; TIH; test MWD and motor; TIH - hit bridge at 6580'; wash and ream 6580'-8585' - fell through bridge; drill to 6664'
- Day 26 7/31/93 - Drill to 7159'; check for flow - shut well in
- Day 27 8/1/93 - Shut well in with probable water flow; drill to 7435'; circulate and weight up for bit trip; trip out for bit #14
- Day 28 8/2/93 - TOH for bit; repair rotary drive chain; TOH; lay down monel collar, hang-off sub & top of motor (bottom of motor & bit unscrewed and lost downhole); wait on overshot tool; make-up fishing tools; TIH; circulate to kill water flow; TIH; circulate and condition mud 90' off fish; trip out
- Day 29 8/3/93 - TOH; lay down fishing tools; pick up new bit and bit sub; TIH with NB #14 (check flow every 5 stands); fill pipe & break trip for circulation; TIH; wash & ream 150'; circulate on fish; short trip - 5 stands; circulate & condition mud to kill water flow; TOH; pick up fishing tools; TIH; tag bridge at 3250'; pick up kelly & circulate
- Day 30 8/4/93 - TOH with overshot; TIH - hit bridge at 3250'; TOH with overshot; lay down fishing tools; TIH with bit #14; wash and ream to 7394'; circulate and mud up to 10.0; short trip - 10 stands; circulate; TOH
- Day 31 8/5/93 - TOH for fishing tools; pick up overshot; TIH; work overshot; TOH with fish (bottom half of mud motor and bit); lay down fish; lay down fishing tools; pick up magnet and junk basket; TIH; wash 90' to bottom; work magnet and junk basket at 7435'; chain out of hole; lay down magnet and junk sub; pick up mud motor and MWD
- Day 32 8/6/93 - Pick up mud motor and MWD; orient tools; TIH with NB #15 and BHA; test MWD; cut 120' drilling line; TIH; wash and ream 30' to bottom; drill to 7663'
- Day 33 8/7/93 - Drill to 7820'; short trip - 5 stands; drill to 7898'
- Day 34 8/8/93 - Drill to 7913'; circulate; TOH for bit; change out bit; TIH with NB #16 (9' uphole strap depth correction); wash 60' to bottom; drill 7904'-8018'

Day 35 8/9/93 - Drill to 8137'; short trip - 5 stands; drill to 8241'

Day 36 8/10/93 - Drill to 8440'; circulate and condition mud

Day 37 8/11/93 - Circulate and condition mud; trip out for bit; lay down mud motor; pull and reinstall wear ring; pick up new mud motor; change out rotary chain; TIH with NB #17; test MWD; TIH; ream 60' out-of-gauge hole; drill to 8477'

Day 38 8/12/93 - Drill to 8733'; short trip - 15 stands

Day 39 8/13/93 - Short trip - 15 stands; drill to 8868'; circulate and set up mud cleaning equipment

Day 40 8/14/93 - Circulate; TOH for bit; lay down directional tools; condition mud; TIH with NB #18 to bottom of casing; circulate and condition mud; TIH 30 stands to 5000'; circulate and condition mud; TIH 27 stands to 7690'; circulate and condition mud

Day 41 8/15/93 - Circulate and condition mud; TIH - hit bridge at 8600'; wash and ream 90' to bottom; drill to 8935'; circulate to jack and level rig; drill to 9010'

Day 42 8/16/93 - Drill to 9122'; short trip - 2 stands; drill to 9279'; short trip - 4 stands; drill to 9371'; short trip - 5 stands; drill to 9426'

Day 43 8/17/93 - Drill to 9555'; short trip - 7 stands; drill to 9649'; short trip

Day 44 8/18/93 - Short trip - 9 stands; drill to 9773'; short trip - 26 stands; drill to 9775'; trip for bit; change out bit; TIH with NB #19 and BHA; cut 126' drilling line

Day 45 8/19/93 - Trip in hole; drill to 9906'

Day 46 8/20/93 - Drill to 9989'; short trip - 11 stands; drill to 10058'

Day 47 8/21/93 - Drill to 10130'; circulate; TOH for logs

Day 48 8/22/93 - Trip in hole; circulate & condition; trip out 5 stands, spot lubra bead pill across salt; trip out 14 stands, mix & pump pill; trip out to run casing; rig up casing crew & run 7.75" 46.1# LS125 LT&C & 7.625" 29.7# S95 LT&C casing, tagged 15' off bottom, rigged up Dowell to wash to bottom

- Day 49 8/23/93 - Circulate with rig pump, 14 bbls. CW-100 flush, mix & pump 825 sacks "G" w/ 0.75 gal./sack 6604-AM, 24% salt BWB, 0.03 gal./sack M45, 0.05% D800, Wt. 16.2, yield 1.22, 179 bbls. slurry, drop plug & displace with 471 bbls. mud w/ air factor, bump plug @ 10:45 hrs. w/ 2000#, 1000# over, release, float held OK, rig down Dowell; nipple down BOP; set slips, made rough cut, made final cut, nipple up spool, test to 3200# for 15 min., OK, nipple up BOP & rotating head; trip in hole; rig up casing crew, move casing off racks; lay down drill pipe
- Day 50 8/24/93 - Lay down drill pipe, lay down drill collars in mouse hole;; pick up 4.24" kelly; change out tongs & floor tools; test BOPs, upper & lower kelly valves, floor valves, choke manifold, choke lines, manual choke, hydraulic choke, choke line, inside & outside valves, had to repack stem on pipe rams to energize secondary seal, test OK after that, blind rams to 250# low & 3500# high, tested annular to 1500# high and 250# low, OK; pick up 4" full hole heavy weight drill pipe & 4" slim hole 3.5 XH drill pipe
- Day 51 8/25/93 - Pick up drill pipe; drill cement & float collar to 10096'; test casing to 1500# for 15 minutes; drill cement & float equipment to 10129'; drill 10129 to 10140'; circulated bottoms up; trip out - SLM [corrected 10142.98 to 10143']; rig up & run wireline gyro-survey
- Day 52 8/26/93 - Run gyro-survey & rig down; slip & cut drilling line; pick up new BHA & test; trip in 37 stands & break circulation; trip in; check MWD & rig up wireline steering tool; drill (slide) with wireline steering tool 10143-10191'; pull out wireline steering tool; rig up to drill; drill (slide)
- Day 53 8/27/93 - Drill (slide); survey; drill (slide); check mud motor, gained 300# pump pressure, no reactive torque; mix & pump pill; trip out for mud motor; change mud motor, align tools, and test MWD; trip in hole; orient tool face; drill (slide); survey; drill (slide) with difficulty
- Day 54 8/28/93 - Drill (slide); survey; drill (slide); mix & pump pill; trip out to change mud motor; change BHA; trip in filling pipe every 40 stands; wash 10143-10401'; drill (slide); survey; trip out for BHA adjustment & GR probe
- Day 55 8/29/93 - Trip out for BHA; change BHA & pick up jars; trip in filling pipe every 40 stands; wash 30' to bottom; re-log gamma ray 80'; drill (slide); survey

- Day 56 8/30/93 - Drill (slide); survey; drill (rotate); survey; drill (slide); circulate for trip out to change BHA, circulate salt slug; trip out, drag 10798-10600'; lay down BHA; wait on mud motor from Casper
- Day 57 8/31/93 - Wait on mud motor, service rig, test BOPs; pick up new BHA & test; move heavy weight drill pipe up hole; trip in filling pipe every 40 stands; ream, orient tool face, slide/ream 10738-10798'; survey & recheck after reaming - minimal change; drill (slide); survey; drill (rotate); survey
- Day 58 9/01/93 - Drill (rotate); drill (slide); survey; drill (rotate); survey; drill (slide)
- Day 59 9/02/93 - Drill (slide); drill (rotate); survey; orient tool face; drill (rotate); prepare gel/bead sweep, metal in cuttings; circulate bottoms up, spot beads, reciprocate pipe, prepare to trip out; trip out, updrag 11302-11100'; lay down heavy weight drill pipe (metal in samples coming from hard banding rub on casing); change BHA; trip in, lay down jars, pick up 4" drill pipe to replace heavy weight; orient; drill (slide)
- Day 60 9/03/93 - Drill (slide); survey; drill (slide); drill (rotate); drilling break, circulation lost; drill (rotate); survey; drill (slide) 50% returns
- Day 61 9/04/93 - Drill (slide); drill (rotate); survey; drill (slide), pump gel/bead sweep; drill (rotate); survey; work stuck pipe @ 11721', pump sweep, pipe free; circulate sweep; drill (rotate); survey; drill (slide); drill (rotate); survey; drill (slide); short trip; wash & ream 11760-11779'; drill (rotate); survey
- Day 62 9/05/93 - Drill (rotate); drill (slide); survey; circulate bottoms up for trip; trip to check mud motor, updrag 11989-11500', SLM -18 correction; change BHA, found bad bearing on mud motor, change mud motor & test; trip in; slip & cut drilling line; trip in
- Day 63 9/06/93 - Trip in, hit tight spot @ 11300'; wash & ream bridge & 11300'; finish trip in; drill (rotate); survey; drill (slide); lost returns completely @ drilling break 12051-12056'; hauling water with 3 trucks
- Day 64 9/07/93 - Drill (slide); drill (rotate); survey; lost circulation 12400-12403' - no returns; circulate bottoms up for trip
- Day 65 9/08/93 - Circulate bottoms up; trip out to change BHA, pipe stuck @ 11625', pump sweep & work pipe free; circulate; trip out, pull tight 11600-11500'; change BHA & test; trip in hole, hit bridge 11720'; wash & ream 11720-12428', no returns, pump gel/polymer sweep every hour, while reaming; drill (rotate); survey; drill (rotate); survey

- Day 66 9/09/93 - Survey; drill (slide); drill (rotate); survey; drill (slide); survey; wiper trip, overpull @ 12350', kelly up & work free, finish trip; pump pill with beads; drill (slide); drill (rotate); survey; drill (rotate); work tight hole, pump sweep, work free; survey; drill (rotate); drill (slide); drill (rotate)
- Day 67 9/10/93 - Drill (rotate); survey; drill (rotate); drill (slide); drill (rotate); survey; circulate, mix & pump gel sweep; short trip; pump pill with beads; work pipe; drill (slide); drill (rotate); survey
- Day 68 9/11/93 - Drill (slide); drill (rotate); survey; circulate & pump high viscosity sweep for short trip; short trip, overpull 12898-12250'; pump pill & spot beads; trip in, tight hole @ 12710'; wash & ream 12710-12898', work tight hole; pump pill; drill (slide); drill (rotate); survey; drill (slide)
- Day 69 9/12/93 - Wiper trip, work tight hole; pump pill; wash & ream 12100-12922', trip in & wash & ream tight spots, tight spot @ 12727' would not clean out; trip out to lay down directional tools; trip in to 12700'; wash & ream 12700-12922', no tight spots, pump gel sweeps; drill (rotate) 12922-12932' while pumping sweeps
- Day 70 9/13/93 - Drill (rotate); mix & pump pill with beads; trip out to pick up directional BHA; spot bead pill into open hole; trip out; change BHA & test; trip in; attempt orient, no response from MWD, attempt to activate with sweeps & pump surges, on success; trip out for MWD; found pump-out sub ruptured, MWD packed with cuttings; replaced MWD; service rig & check BOPs; trip in & test MWD & motor, fill pipe at 40 stands, could not generate more than 100 PSI; trip out to check BHA for leaks, lay down pump out sub, re-torque all connections
- Day 71 9/14/93 - Check BHA, no found leaks, check MWD & motor; trip in filling pipe at 40 & 80 stands, 100 PSI pump pressure maximum due to downhole pressure loss (well on vacuum); re-log gamma ray; drill (rotate); drill (slide); survey
- Day 72 9/15/93 - Drill (rotate); drill (slide); survey; work tight hole; pump gel poly sweeps prior to each connection; drilling breaks/fractures 13,118-13,128', lost 800 PSI pump pressure, 13,144-13,148' no pressure loss; work tight hole & pump sweeps; short trip 8 stands, tight hole @ 13,150'; wash & ream 13,150-13,220' pumping sweeps, completely lost pump pressure reaming at 13,150'

- Day 73 9/16/93 - Wash & ream 13,220-13,283', working tight hole free; drill (slide); drill (rotate); survey; not getting weight to bit; circulate sweeps for short trip; short trip 35 stands; pump gel/bead pill; trip back in hole; drill (rotate); mix & pump sweep; work pipe; drill (rotate); drill (slide); survey; work (slide)
- Day 74 9/17/93 - Drill (slide); drill (rotate); survey; circulate for short trip; short trip 37 stands; trip in 4 stands & mix & pump gel/bead sweep; trip back in; orient; drill (slide); drill (rotate); survey; drill (slide)
- Day 75 9/18/93 - Drill (slide); drill (rotate); survey; short trip 30 stands, pump high viscosity/bead sweeps; drill (rotate); drill (slide); survey; slides not effective, erratic pump pressure/torque; trip out to check motor & bit
- Day 76 9/19/93 - Finish trip out to check motor & bit, found marine bearing & bit extremely worn; check out BHA & test; slip & cut drilling line; trip in; pump high viscosity sweep; encountered bridge while tripping in @ 13,450'; wash & ream 13450' - 13500', pipe free reaming but would not slide; pump pill; short trip, pipe stopped @ 13,000' going back in hole; wash & ream 13,000' - 13030', pipe free reaming but would not slide down, re-ream while mixing & spotting bead pill; work pipe; trip in 8 stands to 13,700', pipe stopped @ 13,700'; wash & ream 13,700' - 13,840', reaming free but still difficult sliding down, mix & spot bead pill, work/slide pipe to bottom; drill (rotate) survey; drill (rotate)
- Day 77 9/20/93 - Drill (rotate) survey; drill (rotate); survey; work tight hole @ connection, continued difficulty getting pipe to slide down, even after connections; lost pump pressure & MWD signal while drilling @ 13,922' - 13,925'; drill (rotate); total depth reached @ 14,110' MD when bit projected at vertical section 3,900'; trip out to lay down directional tools
- Day 78 9/21/93 - Trip out to lay down directional tools; lay down mud motor, MWD & pick up re-run bit & stabilizer; trip in, encountered tight spot @ 10,360'; wash & ream 10,360' - 11,370', numerous tight spots, running full stands where hole allows & reaming down individual joints as needed; work stuck pipe @ 11,370'; call out wireline truck to freepoint & back-off; while awaiting wireline truck pipe worked free; ream down & stuck pipe again @ 11,370'; work free; trip out of hole; Sunburst released prior to FMS logging run

LITHOLOGY

Samples were caught lagged to proper depth by the rig crews at 30' intervals from 7,030' to 10,130' [intermediate casing point]. Samples were caught by the Sunburst Consulting mudloggers, lagged to proper depth at 10' intervals, from 10,143' to 12,420'. There were no mud returns from 12,420' to 14,110' (total depth). Additional samples were caught from drilling breaks and all zones of interest by the mudloggers under the supervision of the wellsite geologist. Sample quality varied from good to very poor depending on hole conditions and the drilling mud properties. During most of the first portion of the lateral hole the sample quality was very poor, consisting of very finely ground limestone. During periods of partial or complete lost circulation there were little or no representative samples recovered.

The samples were examined wet and dry under a binocular microscope, and "cut" for hydrocarbons using 1-1-1 tri-chloro-ethane.

Visual porosity estimates use the following ranges: trace < 6%, poor 6 - 10%, fair 10 - 15%, good > 15% .

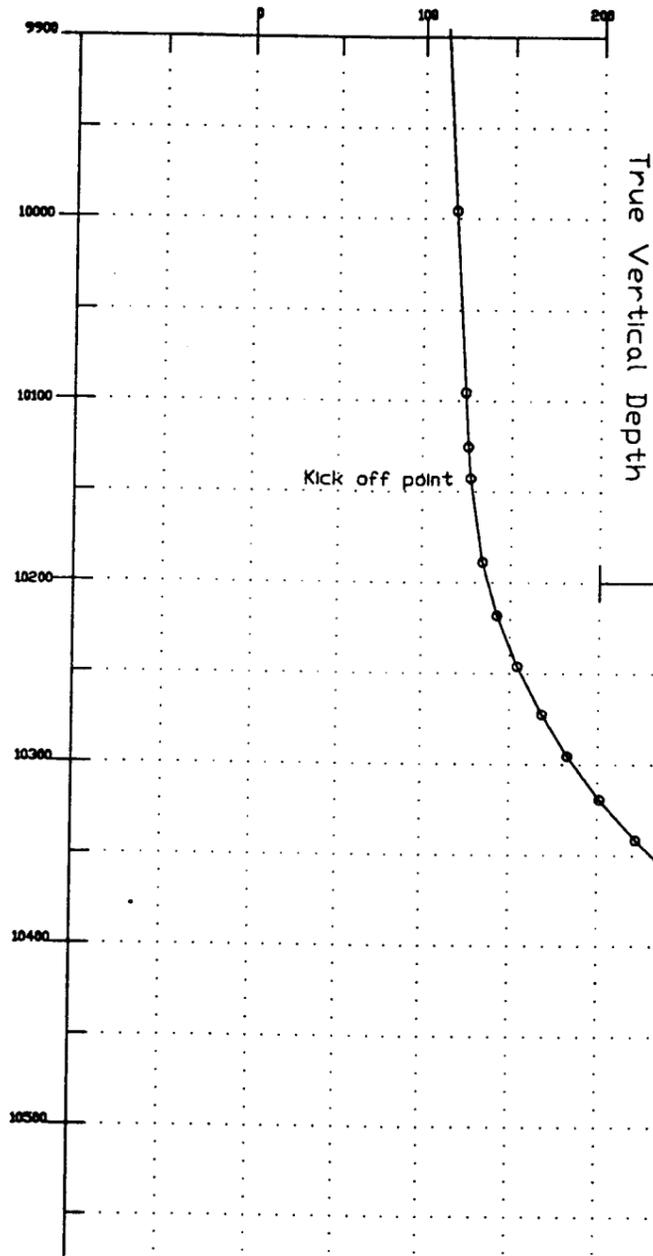
The log tops or drill time markers (with TVD and subsea values) have been inserted near the sample tops, within the sample descriptions below, for reference. The sample descriptions begin at 7,030' in the Stump Formation.

7030 - 7060	<p><u>Shale</u>: red brown, medium to light gray, firm to hard, blocky, sandy to silty (40%)</p> <p><u>Limestone</u>: tan, cream, firm to hard, microcrystalline, dense, sandy in part (40%)</p> <p><u>Sandstone</u>: light brown, light gray, fine to very fine grained, poorly sorted, sub-angular to sub-round, well cemented, silty, slightly calcareous (20%)</p>
7060 - 7090	<p><u>Shale</u>: as above (40%)</p> <p><u>Limestone</u>: as above (30%)</p> <p><u>Sandstone</u>: as above, some fine to medium grained, poorly cemented to unconsolidated (30%)</p>
7090 - 7120	<p><u>Sandstone</u>: clear, translucent, light gray, fine to medium grained, sub-round to sub-angular, moderately sorted, poorly cemented to unconsolidated, slightly calcareous in part (80%)</p> <p><u>Limestone</u>: as above (20%)</p>
7120 - 7150	<p><u>Sandstone</u>: as above, some fine to coarse grained, angular to sub-angular, poorly cemented to unconsolidated, calcareous in part, scattered yellow Chert (60%)</p> <p><u>Limestone</u>: tan, hard, cryptocrystalline, brittle, sandy in part, siliceous (40%)</p>
7150 - 7180	<p><u>Limestone</u>: as above, some scattered Chert (60%)</p> <p><u>Sandstone</u>: as above (40%)</p>

- 7180 - 7210 Limestone: tan, cream, firm to hard, microcrystalline to cryptocrystalline, brittle to dense, siliceous in part, trace Chert (70%)
Shale: light to medium gray, red brown, firm, blocky, sub-waxy in part, slightly calcareous (30%)
- 7210 - 7240 Limestone: as above (70%)
Shale: lavender, light to medium gray, red brown, firm, blocky, slightly calcareous, silty (30%)
- 7240 - 7270 Shale: as above (70%)
Limestone: as above (30%)
- 7270 - 7300 Shale: lavender, purplish brown, red brown, firm, blocky, slightly calcareous, silty (80%)
Limestone: cream, tan, firm to hard, cryptocrystalline, dense to chalky, siliceous in part (20%)
- 7300 - 7330 Limestone: white, cream, tan, microcrystalline, dense to chalky, very sandy grading to calcareous Sandstone in part (50%)
Shale: light to medium gray, lavender, purplish brown, as above (50%)
- 7330 - 7360 Sandstone: red brown, light gray, very fine to medium grained, sub-angular to angular, poorly sorted, well cemented, calcareous (40%)
Shale: as above (40%)
Limestone: as above (20%)
- 7360 - 7390 Shale: red brown, orange red, firm to soft, blocky, silty grading to Siltstone (70%)
Shale: as above (20%)
Limestone: white, cream, firm, microcrystalline, chalky to dense, sandy in part (10%)
- 7390 - 7420 Shale: as above (70%)
Siltstone: orange red, red brown, firm, sandy (20%)
Limestone: white, cream, tan, firm, microcrystalline, dense to chalky (10%)
- 7420 - 7450 Shale: red brown, orange red, firm to soft, blocky (60%)
Sandstone: light gray, red brown, fine to very fine grained; angular to sub-angular; moderate to poorly cemented; poorly sorted; calcareous in part (30%)
Limestone: cream, tan, firm, microcrystalline; dense to chalky (10%)
- 7450 - 7480 Shale: red brown, light gray, lavender, firm, blocky, silty in part (50%)
Sandstone: as above, sub-angular to sub-round, moderately cemented, moderately sorted (50%)

7480 - 7540	<p><u>Sandstone</u>: light gray, translucent, fine to very fine grained, sub-angular to angular, poorly cemented to unconsolidated, moderately sorted, fair intercrystalline porosity, no show (70%)</p> <p><u>Shale</u>: as above (30%)</p>
7540 - 7570	<p><u>Sandstone</u>: clear, translucent, light gray, fine to very fine grained, sub-angular to angular, moderately sorted, poorly cemented to unconsolidated (80%)</p> <p><u>Shale</u>: light gray, red brown, lavender, firm, blocky to sub-platy, silty in part (20%)</p>
<u>TOP - PREUSS @ 7572', 7569' TVD (-824')</u>	
7570 - 7600	<p><u>Siltstone</u>: light brown, light red brown, firm, argillaceous, sandy in part (50%)</p> <p><u>Shale</u>: light red brown, brick red, firm to soft, blocky, calcareous in part (40%)</p> <p><u>Sandstone</u>: as above (10%)</p>
7600 - 7630	<p><u>Siltstone</u>: as above, increasingly sandy (60%)</p> <p><u>Shale</u>: as above (40%)</p>
7630 - 7690	<p><u>Siltstone</u>: red brown, brick red, firm, sandy, grading to very fine grained Sandstone (80%)</p> <p><u>Shale</u>: red brown, firm to soft, blocky, silty in part (20%)</p>
7690 - 7750	<p><u>Siltstone</u>: red brown, brick red, firm, calcareous in part, sandy, grading to very fine grained Sandstone</p>
7750 - 7780	<p><u>Siltstone</u>: light red brown, brick red, firm to hard, sandy, occasionally calcareous</p>
7780 - 7810	<p><u>Siltstone</u>: as above (80%)</p> <p><u>Shale</u>: brick red, firm to soft, blocky to sub-blocky, silty (20%)</p>
7810 - 7840	<p><u>Sandstone</u>: clear, translucent, fine to coarse grained, sub-round to round, moderately sorted, poorly cemented, poor visible intergranular porosity, no show (50%)</p> <p><u>Siltstone</u>: light red brown, brick red, firm to hard, calcareous, sandy, grading to very fine grained Sandstone in part (50%)</p>
7840 - 7870	<p><u>Siltstone</u>: as above (70%)</p> <p><u>Shale</u>: brick red, firm to soft, blocky to sub-blocky, silty (20%)</p> <p><u>Sandstone</u>: as above (10%)</p>
7870 - 7900	<p><u>Siltstone</u>: light red brown, firm to hard, sandy, calcareous (90%)</p> <p><u>Shale</u>: as above (10%)</p>

Vertical Section (feet)



Union Pacific
Resources Co.

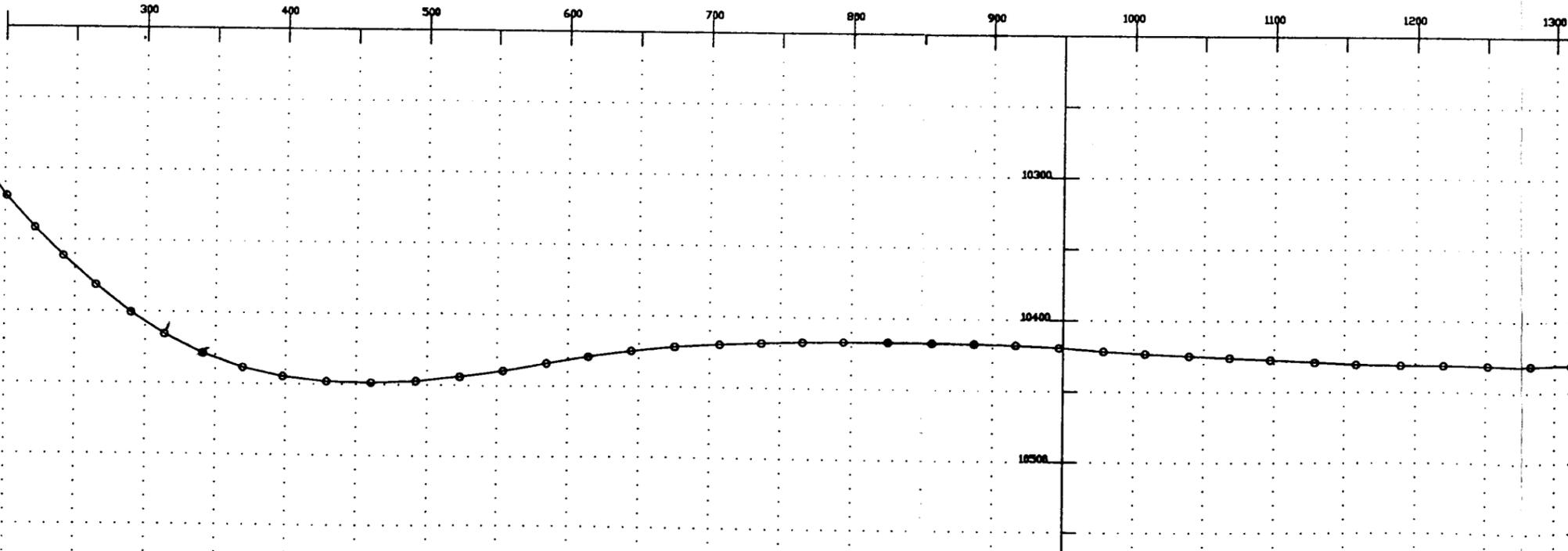
Elkhorn
UPRR 19-2X

Sunburst Consulting
Wayne Freisatz
Geologist

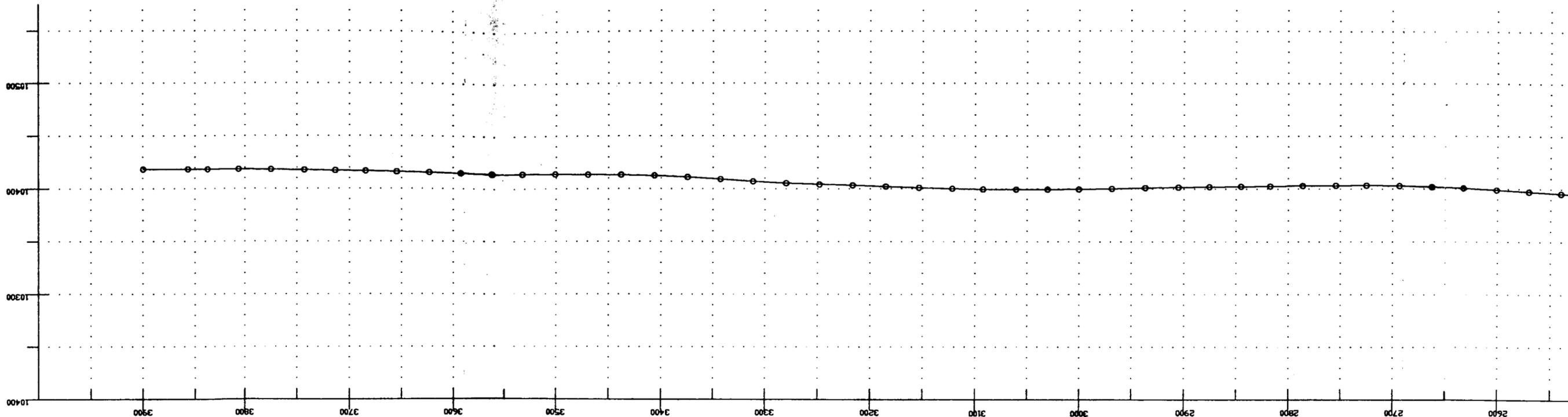
Plotted to projection
at depth 14,110'
TVD 10,418.27'
Vertical Section
3,899.76'

9/21/93

Vertical Section (feet)



True Vertical Depth

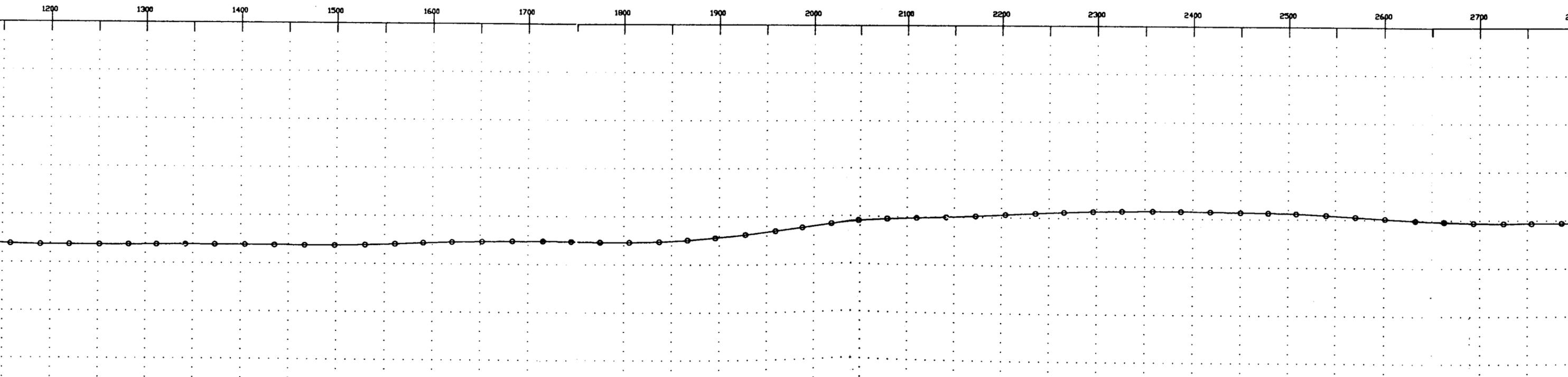


unburst Consulting
Wayne Freisatz
Geologist

tted to projection
depth 14,110'
D 10,418.27'
rtical Section
99.76'

9/21/93

Vertical Section (feet)



7900 - 7990	<p><u>Siltstone</u>: light red brown, brick red, firm to hard, sandy, slightly calcareous (70%)</p> <p><u>Sandstone</u>: light gray, light red brown, very fine grained, sub-angular to sub-round, moderately sorted, moderately cemented, calcareous, some scattered unconsolidated grains, coarse, well-rounded</p>
7990 - 8020	<p><u>Siltstone</u>: light red brown, light brown, firm to hard, calcareous, sandy</p>
8020 - 8080	<p><u>Siltstone</u>: as above (80%)</p> <p><u>Shale</u>: brick red, red brown, firm, slightly calcareous, silty (20%)</p>
8080 - 8110	<p><u>Siltstone</u>: light red brown, light brown, firm to hard, calcareous, sandy (70%)</p> <p><u>Shale</u>: brick red, firm, blocky to sub-platy, slightly calcareous, silty (30%)</p>
8110 - 8140	<p><u>Siltstone</u>: as above, grading to very fine grained Sandstone in part</p>
8140 - 8170	<p><u>Siltstone</u>: as above (70%)</p> <p><u>Sandstone</u>: light gray, light brown, fine to very fine grained, sub-angular to sub-round, moderately sorted, moderately cemented, calcareous (20%)</p> <p><u>Shale</u>: brick red, firm, blocky to sub-platy, slightly calcareous, silty (10%)</p>
8170 - 8200	<p><u>Siltstone</u>: light brown, light red brown, firm to hard, calcareous, very sandy (80%)</p> <p><u>Shale</u>: as above (20%)</p>
8200 - 8230	<p><u>Siltstone</u>: as above (90%)</p> <p><u>Shale</u>: as above (10%)</p>
8230 - 8260	<p><u>Shale</u>: brick red, firm to soft, blocky to sub-platy, calcareous, silty (50%)</p> <p><u>Siltstone</u>: as above (40%)</p> <p><u>Sandstone</u>: light gray, light brown, very fine to fine grained, sub-angular to sub-round, moderately sorted, moderately cemented, calcareous (10%)</p>
8260 - 8290	<p><u>Siltstone</u>: light brown, light red brown, firm to hard, calcareous, very sandy (50%)</p> <p><u>Sandstone</u>: as above, some clear, translucent, fine to coarse grained, poorly cemented to unconsolidated, round to sub-round (40%)</p> <p><u>Shale</u>: as above (10%)</p>
8290 - 8320	<p><u>Siltstone</u>: as above (70%)</p> <p><u>Sandstone</u>: as above (20%)</p> <p><u>Shale</u>: as above (10%)</p>

- 8320 - 8350
Siltstone: light brown, light red brown, firm to hard, calcareous in part, very sandy, grading to very fine grained Sandstone in part (60%)
Sandstone: light brown, very fine to medium grained, sub-round to sub-angular, moderate to poorly sorted, moderate to well cemented, calcareous (40%)
- 8350 - 8380
Siltstone: as above (70%)
Sandstone: as above (20%)
Shale: brick red, firm, sub-blocky to sub-platy, slightly calcareous, silty (10%)
Anhydrite: white, cream, soft to firm, cryptocrystalline (trace)
- 8380 - 8410
Siltstone: as above (60%)
Sandstone: light brown, very fine to medium grained, sub-round to sub-angular, moderate to poorly sorted, moderate to well cemented, calcareous, some unconsolidated, medium to coarse grained, sub-angular to sub-round (30%)
Shale: as above (10%)
- 8410 - 8440
Shale: light to medium gray, brick red, firm to slightly firm, blocky to sub-platy, sub-waxy in part, silty in part (50%)
Siltstone: light brown, light red brown, firm to hard, calcareous, sandy (40%)
Sandstone: as above (10%)
Anhydrite: white, cream, soft to firm, cryptocrystalline (trace)
- 8440 - 8470
Siltstone: light brown, light red brown, firm to hard, calcareous, very sandy (40%)
Shale: light to medium gray, brick red, firm, blocky to sub-platy, silty to sandy in part
Sandstone: light brown, very fine to medium grained, sub-round to sub-angular, poorly sorted, moderate to well cemented, calcareous, tight
- 8470 - 8500
Siltstone: as above (60%)
Sandstone: as above, abundant unconsolidated grains, medium to coarse grained, sub-round to round (30%)
Shale: as above (10%)
- 8500 - 8530
Siltstone: as above (70%)
Sandstone: as above (20%)
Shale: brick red, light to medium gray, firm, blocky to sub-platy, calcareous in part, silty
- 8530 - 8560
Sandstone: translucent, clear, fine to coarse grained, sub-round to round, poorly cemented to unconsolidated, poorly sorted, poor intergranular porosity, no show (80%)
Siltstone: light brown, light red brown, firm to hard, calcareous, sandy (20%)

8560 - 8590	<u>Sandstone</u> : as above (70%) <u>Siltstone</u> : as above (30%)
8590 - 8620	<u>Sandstone</u> : as above, predominantly tight (60%) <u>Siltstone</u> : light brown, light red brown, firm to hard, calcareous, sandy (40%)
8620 - 8650	<u>Siltstone</u> : as above (60%) <u>Sandstone</u> : as above (40%)
8650 - 8680	No sample
8680 - 8710	<u>Siltstone</u> : light brown, light red brown, firm to hard, calcareous, very sandy, grading to very fine grained Sandstone in part (70%) <u>Sandstone</u> : translucent, white, very fine to medium grained, sub-angular, poorly sorted, poorly cemented, calcareous in part (20%) <u>Shale</u> : brick red, firm, blocky to sub-platy, calcareous (10%)
8710 - 8740	<u>Shale</u> : brick red, light orange red, soft to firm, blocky, silty, calcareous (60%) <u>Siltstone</u> : light brown, light red brown, firm, calcareous, argillaceous in part, sandy in part (40%)
8740 - 8770	<u>Shale</u> : red brown, brick red, soft to firm, blocky, calcareous, silty, scattered fine interbedded Anhydrite
8770 - 8860	<u>Shale</u> : as above (70%) <u>Siltstone</u> : light brown, light red brown, firm to hard, calcareous, sandy (30%)
8860 - 8890	VPS - abundant cavings <u>Siltstone</u> : light brown, light red brown, firm to hard, calcareous, sandy (50%) <u>Shale</u> : red brown, light to medium gray, soft to firm, calcareous (50%)
8890 - 8920	<u>Siltstone</u> : as above (70%) <u>Shale</u> : as above (30%)
8920 - 8990	<u>Siltstone</u> : red brown, brick red, firm to hard, calcareous, sandy in part, argillaceous with occasional Shale laminae
<u>TOP - PREUSS SALT @ 8990', 8987' TVD (-2242')</u>	
8990 - 9220	<u>Salt</u> : inferred from drill rate, no salt returns
9220 - 9549	<u>Salt</u> : inferred from drill rate, no salt returns, scattered orange to translucent Chert

TOP - BASE OF SALT @ 9549', 9545' TVD (-2800')

- 9549 - 9580 Siltstone: red brown, brick red, firm to hard, slightly calcareous, sandy in part
- 9580 - 9610 Siltstone: as above, some light gray, very calcareous, sandy
- 9610 - 9669 Siltstone: light to medium gray, red brown, firm to hard, very calcareous, sandy

TOP - TWIN CREEK (GIRAFFE CREEK MBR.) @ 9669', 9665' TVD (-2920')

- 9669 - 9760 Limestone: light to medium gray, firm to hard, microcrystalline, very silty and sandy, occasionally grading to very calcareous Siltstone, abundant Preuss cavings in samples
- 9760 - 9820 Limestone: light to medium gray, firm, microcrystalline, dense, argillaceous, grading to calcareous Shale, abundant Preuss cavings in samples
- 9820 - 9850 Limestone: light to medium gray, firm to hard, microcrystalline to very finely crystalline, dense to chalky, argillaceous to silty
- 9850 - 9880 Limestone: medium to light gray, firm to soft, microcrystalline, dense to chalky, argillaceous
- 9880 - 9910 Limestone: medium to light gray, firm to soft, microcrystalline to very finely crystalline, dense to chalky, argillaceous
- 9910 - 9940 Limestone: as above, scattered very fine mica
- 9940 - 9970 Limestone: medium to light gray, firm, microcrystalline to very finely crystalline, dense to occasionally chalky, argillaceous in part, scattered very fine mica
- 9970 - 10000 Limestone: medium to light gray, firm to slightly hard, microcrystalline to very finely crystalline, dense, slightly argillaceous to silty
- 10000 - 10030 Limestone: as above, slightly hard to soft
- 10030 - 10060 Limestone: medium to light gray, firm to hard, microcrystalline to very finely crystalline, silty, argillaceous in part, scattered very fine mica, trace oolites
- 10060 - 10090 Limestone: light gray, firm to hard, very fine to finely crystalline, silty, scattered very fine mica
- 10090 - 10114 Limestone: light to medium gray, slightly hard to soft, microcrystalline to very finely crystalline, dense to chalky, slightly argillaceous in part, silty in part, abundant Preuss cavings in sample

TOP - LEEDS CREEK @ 10114', 10109' TVD (-3364')

10114 - 10130 Limestone: as above, abundant Preuss cavings in sample

INTERMEDIATE CASING POINT

10130 - 10143 No sample

10143 - 10150 Abundant cavings from flowline & possum belly
Limestone: light gray, very fine crystalline, occasional pelletal, silty in part, moderately hard, no fluorescence, no cut, no visible porosity, trace pyrite

10150 - 10160 Limestone: light gray, very fine crystalline, occasional pelletal, chalky & anhydritic in part, moderately hard to soft, gummy in part, no fluorescence, no cut, no porosity

10160 - 10170 Limestone: light gray, as above, decreasing pelletal (95%)
Shale: light apple green, red brown, slightly calcareous, moderately hard, sub-fissile to blocky, bentonitic in part (5%)

10170 - 10180 Limestone: light gray, as above, slightly silty in part, soft to moderately hard (95%)
Shale: light apple green, red brown, as above (5%)

10180 - 10190 Limestone: light gray, light gray brown, as above, very fine to fine crystalline, silty, fragmental in part, occasional chalky, soft to moderately hard, no fluorescence, no cut, no visible porosity
Shale: light apple green, red brown, as above (trace)

10190 - 10200 Limestone: light gray, light gray brown, as above, occasional fragmental to pelletal (90%)
Shale: red brown, light apple green, as above (10%)

10200 - 10210 Limestone: light gray, very fine crystalline, occasional silty, soft, chalky, no fluorescence, no cut, no porosity (95%)
Shale: red brown, as above (5%)

10210 - 10230 Limestone: light gray, very fine crystalline, silty in part, occasional chalky & anhydritic, moderately hard to soft, no fluorescence, no cut, no visible porosity, occasional clear to white vein calcite

10230 - 10240 Limestone: light to medium gray, very fine crystalline, silty in part, moderately hard to soft, no fluorescence, no cut, no visible porosity (98%)
Shale: apple green, as above, bentonitic (2%)

10240 - 10270 Limestone: medium to light gray, very fine to microcrystalline, slightly argillaceous, moderately hard, no fluorescence, no cut, no porosity

- 10270 - 10280 Limestone: light gray, very fine crystalline, silty, occasional grading to calcareous siltstone, soft to moderately hard, no fluorescence, no cut, no porosity, anhydritic & anhydrite blebs in part (95%)
Shale: red brown, light apple green, slightly calcareous to calcareous, soft, bentonitic, silty in part, blocky (5%)
- 10280 - 10300 Limestone: light to medium gray, as above, decreased silty, increased moderately hard, trace vein calcite, 10300 with increased anhydrite - white
Shale: apple green, red brown, as above (trace)
- 10300 - 10310 Limestone: light to medium gray, very fine to fine crystalline, silty in part, moderately hard, bentonitic in part, no fluorescence, no cut, no visible porosity
- 10310 - 10330 Limestone: light to medium gray, very fine crystalline, slightly argillaceous, occasional silty, moderately hard to soft, no fluorescence, no cut, no porosity, chalky in part
- 10330 - 10340 Limestone: light to medium gray, as above, increased chalky & anhydritic in part
- 10340 - 10350 Limestone: light to medium gray, as above, chalky, soft, anhydritic, slightly argillaceous
- 10350 - 10360 Limestone: light to occasional medium gray, very fine crystalline, chalky & anhydritic in part, slightly argillaceous, soft to moderately hard, no fluorescence, no cut, no porosity
- 10360 - 10380 Cavings after trip - very poor samples
Limestone: light to medium gray, very fine to fine crystalline, silty in part, slightly argillaceous, moderately hard to soft, no fluorescence, no cut, no visible porosity
Shale: apple green, red brown, slightly calcareous, moderately hard, blocky, bentonitic in part (trace)
- 10380 - 10430 No sample - bypassed shakers
- 10430 - 10440 Glass beads from mud system
- 10440 - 10450 Limestone: light gray, very fine crystalline, silty to very fine sandy, soft to moderately hard, no fluorescence, no cut, trace interparticle porosity, occasional chalky
- 10450 - 10460 Limestone: light gray, light to medium gray brown, very fine to microcrystalline, chalky in part, moderately hard, slightly argillaceous in part, no fluorescence, no cut, clear to white vein calcite in part, trace pelletal

- 10460 - 10480 Limestone: light to medium gray brown, light gray, as above, decreased pelletal, increased chalky, with beads from mud
- 10480 - 10500 Limestone: light gray, light gray brown, very fine to microcrystalline, chalky, slightly argillaceous, moderately hard to soft, no fluorescence, no cut, no porosity, with beads
- 10500 - 10530 Limestone: light gray, light to medium gray brown, as above, occasional anhydritic, trace stylolite

TOP - WATTON CANYON @ 10,531', 10427' TVD (-3682')

- 10530 - 10550 Limestone: light brown, light to medium gray brown, micro to very fine crystalline, moderately hard, no fluorescence, no cut, no porosity, abundant beads
- 10550 - 10580 Very poor samples - predominately beads
Limestone: light brown, light to medium gray brown, as above
- 10580 - 10600 Limestone: light gray, light to medium gray brown, very fine to microcrystalline, chalky, soft to moderately hard, no fluorescence, no cut, no porosity, occasional fringing & vein calcite
- 10600 - 10650 Limestone: light to medium gray brown, light gray, very fine to microcrystalline, silty in part, moderately hard, no fluorescence, no cut, no visible porosity, chalky & anhydritic in part
- 10650 - 10700 Limestone: light to medium gray brown, light gray, as above, trace vein calcite, very slight trace pyrite
- 10700 - 10730 Very poor samples - predominately beads
Limestone: light brown, light to medium gray brown, light gray, micro to very fine crystalline, moderately hard, occasionally chalky, no fluorescence, no cut, no visible porosity
- 10730 - 10750 Limestone: light brown, light gray brown, light gray, micro to very fine crystalline, moderately hard, occasional chalky, no fluorescence, no cut, no porosity, trace anhydritic
- 10750 - 10780 Limestone: light to medium gray brown, micro to very fine crystalline, moderately hard, chalky & anhydritic in part, no fluorescence, no cut, no porosity, trace fringing calcite crystals
- 10780 - 10800 Limestone: light to medium gray brown, occasional light gray, as above, increased fringing calcite & vein calcite (white to clear)
- 10800 - 10820 Limestone: light to medium gray brown, light gray, micro to very fine crystalline, moderately hard, occasional chalky & anhydritic, trace stylolite, no fluorescence, no cut, no porosity, occasional vein calcite

- 10820 - 10850 Limestone: light to medium gray brown, occasional light gray, as above, increased clear to white vein calcite
- 10850 - 10890 Limestone: light to medium gray brown, as above
- 10890 - 10920 Limestone: light to medium gray brown, as above, trace oolitic with sparry cement, tight, trace very fine pyrite
- 10920 - 10950 Limestone: light to medium gray brown, light gray, as above, decreased oolitic, increased chalky & anhydritic
- 10950 - 11000 Limestone: light to medium gray brown, light brown, micro to very fine crystalline, moderately hard, occasional chalky & anhydritic, no fluorescence, no cut, no porosity, slight trace very fine pyrite
- 11000 - 11050 Limestone: light to medium gray brown, very fine to microcrystalline, moderately hard, occasional chalky & anhydritic, no fluorescence, no cut, no porosity
- 11050 - 11100 Limestone: light gray, light to medium gray brown, very fine to microcrystalline, slightly argillaceous, silty in part, moderately hard, occasional chalky, no fluorescence, no cut, no visible porosity, cuttings size becoming very small & uniform (re-working in the hole ??)

TOP - TARGET ZONE @ 11,096', 10417' TVD (-3672')

- 11100 - 11150 Limestone: light to occasional medium gray brown, light gray, very fine crystalline, trace argillaceous, moderately hard, no fluorescence, no cut, no porosity
- 11150 - 11190 Limestone: light to occasional medium gray brown, light gray, as above, trace clear to white vein calcite, decreasingly argillaceous
- 11190 - 11210 Limestone: medium gray brown, microcrystalline, moderately hard to hard, no fluorescence, no cut, no porosity, occasional clear to white vein calcite
- 11210 - 11250 Limestone: medium to light gray brown, micro to very fine crystalline, moderately hard, no fluorescence, no cut, no porosity, occasional clear to white vein calcite
- 11250 - 11300 Limestone: medium to light gray brown, as above
- 11300 - 11310 Limestone: medium to light gray brown, micro to very fine crystalline, trace calcite, trace chalky in part, moderately hard, no fluorescence, no cut, no porosity
- 11310 - 11350 Limestone: light to medium gray brown, light gray, very fine to microcrystalline, silty in part, moderately hard, no fluorescence, no cut, no visible porosity

- 11350 - 11400 Limestone: light to medium gray brown, occasional light gray, as above, silty
- 11400 - 11450 Limestone: light gray brown, light gray, as above, occasional chalky & anhydritic
- 11450 - 11550 Limestone: light gray brown, very fine to microcrystalline, slightly silty, moderately hard, no fluorescence, no cut, no visible porosity, trace very fine pyrite
- 11550 - 11590 Limestone: light gray brown, very fine to microcrystalline, moderately hard, no fluorescence, no cut, no visible porosity
- 11590 - 11610 Limestone: light to medium gray brown, light gray, very fine to microcrystalline, slightly argillaceous, trace pelletal, no fluorescence, no cut, no visible porosity, moderately hard, normal sized cuttings
- 11610 - 11650 Limestone: light to medium gray brown, light gray, as above, very fine cuttings size

TOP - SWEET SPOT @ 11,650', 10432' TVD (-3687')

- 11650 - 11700 Limestone: light gray, light gray brown, very fine to microcrystalline, slightly argillaceous, moderately hard, occasional silty & bentonitic, no fluorescence, no cut, no visible porosity
- 11700 - 11740 Limestone: light gray, light gray brown, as above, slight trace oolitic
- 11740 - 11760 No sample - lost circulation
- 11760 - 11800 Limestone: light gray brown, occasional light gray, very fine to microcrystalline, as above, no show visible, very fine cuttings size
- 11800 - 11830 Limestone: light gray brown, occasional light gray, as above, trace to 1% apple green shale (bentonitic, grading from shale to very argillaceous limestone)
- 11830 - 11840 Limestone: light gray brown, occasional light gray, as above, 5% green bentonitic argillaceous to calcareous shale
- 11840 - 11850 Limestone: light gray brown, occasional light gray, as above, trace to 1% green argillaceous limestone to calcareous shale
- 11850 - 11950 Limestone: light gray brown, very fine to microcrystalline, moderately hard, trace green bentonitic shale, no fluorescence, no cut, no visible porosity, very fine cuttings size
- 11950 - 11989 Limestone: light gray brown, as above, slight trace oolitic ?

DEPTH CORRECTION 11989' BECAME 11970'

11970 - 11980 Limestone: light gray brown, as above, with pipe dope after trip

TOP - BASE TARGET ZONE @ 11,972', 10427' TVD (-3682')

11980 - 12000 Limestone: light gray brown, micro to very fine crystalline, moderately hard, no fluorescence, no cut, no visible porosity, slight trace oolitic, very fine cuttings

12000 - 12030 Limestone: light gray brown, light brown, as above

12030 - 12080 No sample - lost circulation

12080 - 12100 Limestone: light gray brown, as above (likely not representative samples, very fine milled cuttings, probably mixed in the lateral portion of the hole)

12100 - 12110 No sample - partial returns, lost circulation

12110 - 12120 Limestone: light gray brown, as above, trace clear to white vein calcite

12120 - 12130 No sample - partial returns, lost circulation

TOP - BASE TARGET ZONE @ 12,140', 10,418' TVD (-3673')

12130 - 12150 Limestone: light gray brown, as above, very fine milled cuttings

TOP - BASE TARGET ZONE @ 12,190', 10,411' TVD (-3666')

12150 - 12200 Limestone: light gray brown, as above, samples not changing, probably not representative of interval drilled

12200 - 12240 Limestone: light gray brown, as above

12240 - 12280 No sample - glass beads from mud

12280 - 12300 Limestone: light gray brown, as above, very fine milled cuttings

12300 - 12320 No sample

12320 - 12360 Limestone: light gray brown, light gray, micro to very fine crystalline, moderately hard, trace oolitic ??, no fluorescence, no cut, no visible porosity

12360 - 12370 No sample

12370 - 12400 Limestone: light gray brown, as above, very fine milled cuttings

12400 - 12420

Limestone: light gray brown, as above, likely not representative of interval drilled

12420 - 14110

No returns - complete lost circulation

TOTAL DEPTH 14,110', 10,418' TVD (-3673')

LOGGING REPORT

Logging Company: Atlas Wireline Engineer: John Thompson Date: 8/21/93

Witnessed by: Bobby Cooper, representing UPRC

Driller's TD Depth: 10,130' Logger's TD Depth: 10,122'

Driller's Casing Depth: 2,229' Logger's Casing Depth: 2,230'

Elevation: GL: 6721' Sub: 24' KB: 6745'

Mud Conditions: Wt: 10.6 Vis: 41 WL: 10.6 CL: 182K
BHT: 180°F Rmf: .033 Rm @ BHT: .026

Hole Conditions: Good

Logging Time: First Tool in Hole: 0:39 8/21/93
Last Tool Out: 2:28 8/21/93

Electric Logging Program: 1.) Dual Laterolog with GR from 10120' to ground surface.

Software Presentation: none

Log Tops: Frontier 1919'MD, 1919'TVD; Aspen 3562'MD, 3561'TVD; Kelvin 3921'MD, 3920'TVD; Stump 6859'MD, 6857'TVD; Preuss 7572'MD, 7569'TVD; Salt 8990'MD, 8987'TVD; Base Salt 9549'MD, 9545'TVD; Twin Creek 9669'MD, 9665'TVD; Leeds Creek 10114'MD, 10109'TVD

Note: DLL run while Sunburst personnel on standby and off location. Tubing conveyed FMS log run by Schlumberger after Sunburst released from well.

6. Lease Designation and Serial Number N/A
7. Indian Allottee or Tribe Name N/A
8. Unit or Communitization Agreement N/A

SUNDRY NOTICES AND REPORTS ON WELLS

Use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		9. Well Name and Number UPRR 19-2X #1H
2. Name of Operator Union Pacific Resources Company		10. API Well Number 43-043-30300
3. Address of Operator P.O. Box 7 MS 3006 Fort Worth, TX 76101-0007	4. Telephone Number 817-877-6530	11. Field and Pool, or Wildcat Elkhorn
5. Location of Well Footage 554' FWL & 2176' FNL (SL) 1530' FEL & 1770' FNL (BHL) County : Summit QQ, Sec. T., R., M. : Sec. 19-2N-7E State : UTAH		

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"/> New Construction	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<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"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Other _____	<u>Temporary Flaring</u>		
Approximate Date Work Will Start <u>Upon Approval</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.			

13. 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 hereby requests a 90-day flaring period for the above-mentioned well. UPRC needs the additional time to flare in order to modify surface equipment to accomodate high pipeline pressures encountered upon tie-in. The well is capable of producing 350 mcf/d and the present tie-in can accomodate 235 mcf/d and the remaining 115 mcf/d being flared until modifications can be completed in the next 90 days.

RECEIVED

FEB 09 1994

DIVISION OF OIL GAS & MINING

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

Name & Signature Cami Minzenmayer Cami Minzenmayer Title Regulatory Analyst Date 02-08-94

(Use Only)



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 11, 1994

Ms. Cami Minzenmayer
Union Pacific Resources Company
P.O. Box 7 MS 3006
Forth Worth, Texas 76101-0007

14-2X #1 H

Re: UPRR 19-2X #1H Well, Sec. 19, T. 2 N., R. 7 E., Summit County, Utah

Dear Ms. Minzenmayer:

Pursuant to your request received by the Division of Oil, Gas and Mining on February 9, 1994, and in accordance with Utah Administration Code R.649-3-19, the Division hereby authorizes gas venting or flaring of unrestricted rates for up to 30 days of testing or no more than 50 MMCF of gas, whichever is less, for the above referenced well.

This authorization represents the full administrative action for the venting or flaring of gas allowed by Utah Administrative Code R.649-1 et seq., Oil and Gas Conservation General Rules. Should you desire to vent or flare produced gas in amounts exceeding this authorization, a Request for Agency Action (petition) and a hearing before the Board of Oil, Gas and Mining will be required.

Should additional information be required concerning this matter, please contact Frank Matthews or R.J. Firth at this office.

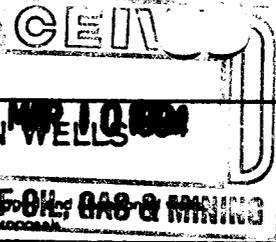
Sincerely,


R.J. Firth
Associate Director

ldc

cc: James W. Carter, Director
Janice L. Brown, Secretary of the Board
Frank R. Matthews, Petroleum Engineer

WOI13



SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to permit the use of water for hydraulic fracturing. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:	N/A
6. If Indian, Altiabee or Tribe Name:	N/A
7. Unit Agreement Name:	N/A
8. Well Name and Number:	UPRR 19-2X #1H
9. API Well Number:	43-043-30300
10. Field and Pool, or Wildcat:	Elkhorn
County:	Summit
State:	Utah

1. Type of Well: OIL 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 817-877-6530

4. Location of Well
Footages: 554' FWL & 2176' FNL (SL); 1530' FEL & 1770' FNL (BHL)
OO, Sec., T., R., M.: Sec. 19-2N-7E

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 checked="" type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other <u>Extension to temporary flaring</u>	

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.)

Union Pacific Resources Company requests permission to continue flaring gas at approximately 140 MCF/d on the above-mentioned well. An explanation of the events leading to flaring gas at the Elkhorn battery follows:

The UPRR 19-2X produces approximately 400 MCFPD of extremely rich gas in association with the crude production. The produced fluids go into a treater which separates the gas, oil and water. The gas flows directly from the treater into the gas line. Due to the frozen ground around and the poor pipeline insulation many of the NGL in the gas condense in the line near the battery. The gas line leaves the tank battery and immediately gains approximately 250' elevation. The velocity of the gas going through the gas line is not high enough to keep the NGL swept out. The gas line inlet pressure is not high enough to blow a full column of NGL over the first hill. As a result the NGL accumulate in the pipeline near the battery. As the NGL level in the pipeline increases the inlet pressure required to get into the gas line increases until it reaches the 45 psig emergency relief pressure on the treater. At this point the gas is diverted to flare to keep from overpressuring the treater. Our pumpers usually check this well twice per day. When they see the gas is going to flare, they blow the NGL accumulated in the gas line to a holding tank at the battery. This lowers the inlet pressure by relieving the column of accumulated NGL. The gas can then be put back in the gas line. And the process starts all over again.

We plan on solving this problem by installing a compressor between the treater and the gas line inlet. This will allow the gas to push the accumulated NGL over the hills between the battery and the gas plant. We expect to have the compressor installed within 3 weeks. Therefore we would like an extension of the flare permit until we have a chance to install the compressor.

13. Name & Signature: Cami Minzenmayer Title: Regulatory Analyst Date: 03-09-94

(This space for State use only)

FLINT  Engineering & Construction Co.

April 28, 1994

Union Pacific Resources Co.
4485 Trails End Bar Nun
Casper, Wy. 82601

Attn: Bobby Cooper

Subject: Solidification of four (4) pits
Elk Horn 19 - 2X

Dear Bobby,

Flint Engineering & Construction Co., is pleased to submit its tender offer to solidify the above mentioned pits.

The price quoted includes materials, mobilization and demobilization of equipment, removal of bird netting from pits, removal of fencing materials and hauling the same to the Union Pacific Resources Co., yard.

We will then solidify the pits using fly ash, cement and lime. The procedure utilized will be to mix the fly ash, dirt and lime into Pit #2, we will then push material from Pit #2 into Pit #3, mix, add cement and mix again. We will mix all materials for Pits #1 and #3 in place. We will then install a two (2') foot dirt cover over the pits.

Total Bid Price: \$30,000.00

Sincerely,



James A. Becker
District Manager

cc: Lyle Woelich

Page 2
Union Pacific Resources Co., Coalville Utah
Work Plan

Do Location #5, #6, #7 -

- **2200 Cu. Yds. Material**
 - **20 Tons Fly Ash**
 - **15 Tons Clean Dirt**
 - **5 Tons Cement - Type #2**
 - **20 Sacks (90#) Lime**

ACTION STEPS:

1. **Mix contents of the Pit with Trackhoe**
2. **Add and mix Fly Ash**
3. **Introduce clean import dirt, mix throughout the Pits.**
4. **Add Lime, Distribute over entire Pit area. Lime needed to adjust pH and allow hydration to start.**
5. **Add Portland Type II Cement and remix Pit contents. Using the Trackhoe remix at right angle to original mix run.**
6. **Leave Pit uncovered for 18 - 24 hours to aid solidification and stabilization. Five (5) hours after final mixing. Heat of hydration should raise core temperature 15 - 30 degrees F. Reaction should peak six (6) hours after final mixing. Hydration should continue for some period of time. 1500 - 3000 PSI soil cement should be the resulting product.**
7. **Sample per EPA SW 846.**
8. **Backfill Pit per customer request.**

WR - Coalville, UT

Location #1

Location #2

Post-It Fax Pad 7671

Date: 4/1

From: Dennis F.

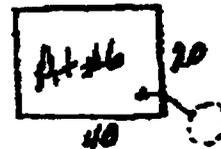
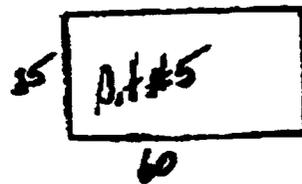
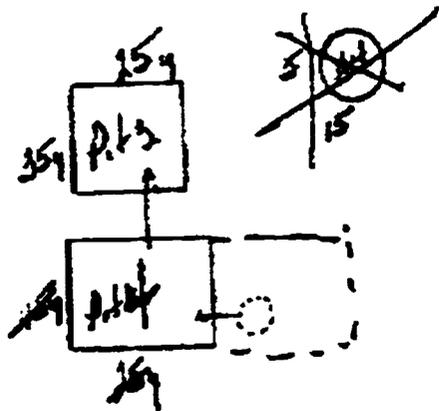
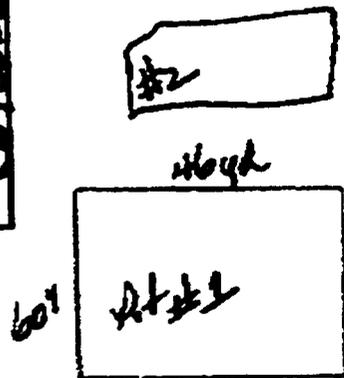
To: Tom Buckle

Carbon: Flint Eagle

Phone: 307-502-5204

Fax: 307-502-5204

Page 1 of 1



TEL 307-302-3204

FLINI K.S.

April 27, 1984

Union Pacific Resources Co.
Site: Coalville, Utah

Location 1:

1. **Solidify and stabilize entire contents of Pit #1.
Distribute 40% of Pit #1 contents, prior to solidification into Pit #2**
2. **Stabilize and solidify Pit #2.**
3. **Stabilize and partially solidify Pit #4, push contents into Pit #3.**
4. **Solidify and stabilize small Pit #4.**

Location 2:

1. **Solidify and stabilize Pit #5.**
2. **Solidify and stabilize Pit #6.**
3. **Solidify and stabilize Pit #7.**

Solidify Pit #1 - Push into #2 -

- **3750 Cu. Yds. Material.**
 - **25 Tons Fly Ash**
 - **14 Tons Clean Dirt (Import ?)**
 - **6 Tons Cement - Type #2**
 - **30 Sacks (90#) Lime**

Do Pit #4, #3, (608 Cu. Yds.)

- **5 Tons Fly Ash**
- **10 Tons Clean Dirt**
- **3 Tons Cement**
- **6 Sacks (90#) Lime**



**Union Pacific
Resources**

A Subsidiary of Union Pacific Corporation

January 3, 1996

Certified Mail - RRR
P 912 588 192

Utah State Department of Environmental Quality
Division of Environmental Response and Remediation
168 North 1950 West
1st Floor
Salt Lake City, Utah 84116

Dear Sir or Madam:

Approximately 20 barrels of produced water were released from Union Pacific Resources' Elkhorn UPRR 19-2X wellsite (19-2N-7E, Summit County) December 24, 1995. A tank overflow caused the spill. Water was contained within the confines of an out-of-use pit at the site. All 20 barrels of water were recovered using a vacuum truck.

Verbal notification was provided to your office, the Office of Emergency Management, and The Department of Natural Resources.

Should you have any questions, or require additional information, please contact me at (817) 877-6261.

Sincerely,

Catherine A. Aniello
Environmental Specialist
Environmental Affairs

c: Paul Smith
Karl Nesselrode

Utah Department of Natural Resources
Certified Mail P 912 588 193

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: () 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 554' FWL, 2176' FNL County Summit
QQ, Sec., T., R., M. (SWNW) Sec. 19, T2N-R7E State Utah

5. Lease Designation and Serial No.
N/A

6. If Indian, Allottee or Tribe Name
NA

7. Unit Agreement Name
NA

8. Well Name and Number
UPRR 19-2X #1H

9. API Well Number
43-043-30300

10. Field and Pool, or Wildcat
Elkhorn

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:

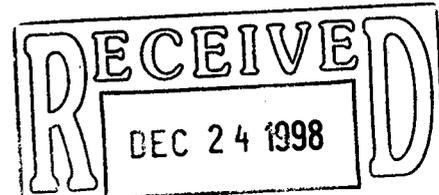
Dorothy Moravek *Dmoravek* Title: Regulatory Analyst Date 12-18-98

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)



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	Well Number	Entry	Location	Producing Zone	Well Status	Days Oper	Production Volumes			
							OIL(BBL)	GAS(MCF)	WATER(BBL)	
PINEVIEW 4-3	330077	02210	02N 07E 4	TWNCR			fee (POW)			
PINEVIEW 4-4S	330083	02215	02N 07E 4	FRTR			fee (SOW)			
BLONQUIST 26-3	330235	02595	02N 06E 26	TWNCR			fee (SOW)			
NEWTON SHEEP 1	330284	10768	02N 07E 18	TWNCR			fee (SOW)			
UPRR 1H 19-2X (RIG SKID)	330300	11592	02N 07E 19	TWNCR			fee (SOW)			
JUDD 34-1H	330301	11607	02N 06E 34	TWNCR			fee (POW)			
IR 3-10	330302	11626	02N 07E 3	NGSD			fee (POW)			
UPRR 17-2H	330304	11647	02N 07E 17	TWNCR			fee (POW)			
UPRR 35-2H (MULTI-LEG)	330305	11659	02N 06E 35	TWNCR			fee (POW)			
NEWTON SHEEP 20-1H (MULTI-LEG)	330310	11696	02N 07E 20	TWNCR			fee (SOW)			
JUDD 4-1H	330311	11750	01N 06E 4	WTCYN			fee (POW)			
NEWTON SHEEP 24-1H	330308	11755	02N 06E 24	WTCYN			fee (SOW)	GA# UTU 74867		
BLONQUIST 26-1H	330314	11950	02N 06E 26	WTCYN			fee (SOW)			
TOTALS										

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,

A handwritten signature in black ink that reads "Kristen D. Risbeck". The signature is written in a cursive, slightly slanted style.

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

Routing:	
1-KDR ✓	6-KAS ✓
2-PLH ✓	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

TO: (new operator)	<u>CITATION OIL & GAS CORP</u>	FROM: (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>43.043.30300</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

- KDR 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)*
- KDR 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.
- KDR 5. Changes have been entered in the **Oil and Gas Information System (3270)** for each well listed above. *(3.11.99)*
- KDR 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)*
- KDR 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)*
- KDR 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

- YDP 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.
- YDP 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- YDP 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)
- YDP 2. A copy of this form has been placed in the new and former operator's bond files.
- YDP 3. The FORMER operator has requested a release of liability from their bond (yes/no) Y/S, as of today's date 3.10.99. 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.
- YDP 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

- Y/S 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



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.

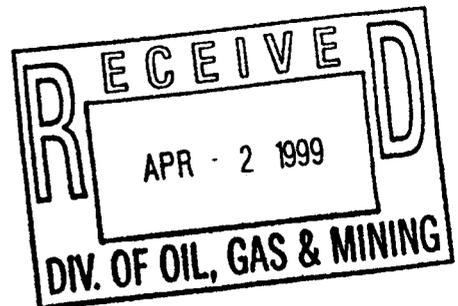
UPRC 33-1 SWD	43-043-30233
Blonquist 26-4 SWD	43-043-30268
Clark 4-1 SWD	43-043-30071
Exxon UPRC #1 SWD	43-043-30290
B. A. Bingham & Sons Inc. #1	43-043-30295

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
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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: NA
			7. UNIT or CA AGREEMENT NAME: Elkhorn Watton Canyon
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			8. WELL NAME and NUMBER: Elkhorn Watton Canyon Unit 19-2X
2. NAME OF OPERATOR: Citation Oil and Gas Corp.		9. API NUMBER: 43-043-30300	
3. ADDRESS OF OPERATOR: P.O. Box 690688 CITY Houston STATE TX ZIP 77269		PHONE NUMBER: (281) 517-7800	10. FIELD AND POOL, OR WILDCAT: Twin Creek Watton Canyon Field
4. LOCATION OF WELL FOOTAGES AT SURFACE: 554' FNL & 2176' FNL (SL) 1530' FEL & 1770' FNL (BHL)			COUNTY: SUMMIT
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 19 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"/> 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.

~~UPRR 19-2X~~ will now be known as Elkhorn Watton Canyon Unit 19-2X

UPAR 1H 19-2X (Arg Spid)

NAME (PLEASE PRINT) Christi Rapsilver	TITLE Production File Clerk
SIGNATURE	DATE 8/27/2003

(This space for State use only)

RECEIVED
AUG 29 2003
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: 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: 554' FNL & 2176' FNL 1530' FEL & 1770' FNL (BHL) QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 19 2N 7E			8. WELL NAME and NUMBER: Elkhorn Watton Canyon Unit 19-2X 9. API NUMBER: 43-043-30300
			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 19-2X with attached procedure.

COPY SENT TO OPERATOR
Date: 9-5-03
Initials: CHA

NAME (PLEASE PRINT) Christi Rapsilver	TITLE Production File Clerk
SIGNATURE <i>Christi Rapsilver</i>	DATE 9/2/2003

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9/5/03
BY: *D. Rapsilver*
(See Instructions on Reverse Side)

RECEIVED
SEP 04 2003
DIV. OF OIL, GAS & MINING

CITATION OIL & GAS CORPORATION
ELKHORN FIELD, UPRC #19-2X 1H
PROCEDURE

DATE: 05-5-03

WELL NO. UPRC #19-2X 1H

12. MIRU rig. Kill well if necessary. POOH W/tbg & ESP equip & send ESP equip into Centrilift in Casper for testing. PU an additional 6 jts 2 7/8" 6.5# L-80 tbg from stock.
13. PU & hydrotest in hole to 6000 psi W/6 1/2" bit & scraper for 7 3/4" 46.1# csg to liner top @ 9986'. Wellhead scanolog OOH W/tbg & tools to the following criteria: 0 – 15% wall loss (yellow band), 16 – 25% wall loss (blue band), 26 – 50% wall loss (green band), & 51+% wall loss (red band). LD & replace any green & red band tbg.

14. PU & RIH W/the following:

K.B.	24'	
+/-302 jts 2 7/8", L-80, 6.5#/ft, 8rd, EUE, tbg ~	9,920'	9944'
1 – TAC W/carbide slips for 7 3/4" 46.1# csg ~	2'	9946'
4 jts 2 7/8", L-80, 6.5#/ft, 8rd, EUE, tbg ~	126'	10,072'
1 – 2 7/8" S.N.	~ 1'	10,073'
1 – perforated sub	~ 4'	10,077'
1 jt 2 7/8", L-80, 6.5#/ft, 8rd, EUE, tbg (MA) ~	31'	10,108'

Set TAC in +/-20,000# tension pending make and model

15. PU & RIH W/the following:

1 - 1 1/2" x 30' polished rod	~ 30'
+/- 21' of 1" pony rods	~ 21'
140 - 1" API Grade "D" rods	~ 3500'
128 - 7/8" API Grade "D" rods	~ 3200'
132 - 3/4" API Grade "D" rods	~ 3300'
1 – 2 1/2"x 1 1/2"x +/-22' RHBC rod pump	~ 22'
Total Length = 10,073'	

16. Pressure test flowline to 300 psi & make any necessary repairs.

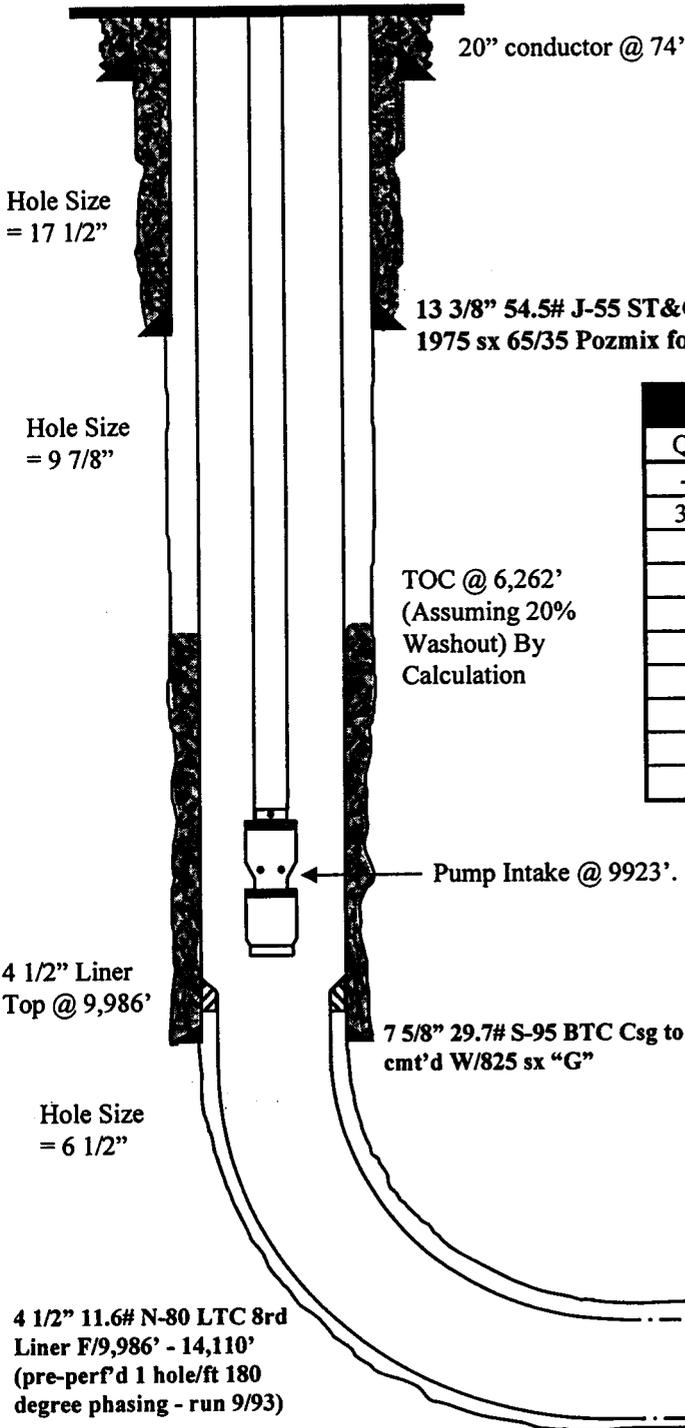
17. Produce well & place into test as instructed.

CITATION OIL AND GAS CORPORATION WELLBORE DIAGRAM AND INFORMATION

Well Name: UPRC #19-2X 1H
Date: December 30, 2002
County: Summit

Field: Elkhorn
Location: SW NW, Section 19, T-2-N, R-7-E
State: Utah

Surface: 2176' FNL & 554' FWL
 SW NW, Section 19, T-2-N, R-7-E
 Summit County, UT
BHL: 1519' FNL & 4533' FWL
 Section 19, T-2-N, R-7-E
Completed: September, 1993
Grd. Elev.: 6716'
KB: 24'
API #: 43-043-30300



TUBING DETAIL			
Qty	Description	Length	Depth
—	KB (used)	24	24.00
302	2 7/8", L-80, 6.5#, EUE, 8rd, tbg	9,855.94	9,879.94
1	2 7/8", L-80, EUE, 8rd, pup jt	6.00	9,885.94
1	CL 163 stage FC650 pump	13.50	9,899.44
1	CL 305 stage FC650 pump	23.70	9,923.14
1	CL Gas Separator (FRS-B-AR)	2.67	9,925.81
1	CL GSC3 HL Seal	6.30	9,932.11
1	CL 115 H.P. 2042V x 29A KME-1 mtr	12.50	9,944.61
1	CL PHD	2.00	9,946.61

KOP: +/-10,147'
BUR: +/-14°/100'

PBTD = 14,110'
 TMD = 14,110'



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

	Well Name	API	Lease Type	Years Inactive
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

5. Lease Designation and Serial Number:

FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name:

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.

7. Unit Agreement Name:

Elkhorn Watton Canyon

1. Type of Well:

OIL GAS OTHER:

8. Well Name and Number:

**Elkhorn Watton Canyon Unit
19-2X 1H**

2. Name of Operator

Citation Oil & Gas Corp.

9. API Well Number:

43-043-30300

3. Address and Telephone Number:

P O Box 690688, Houston, Texas 77269 (281) 517-7800

10. Field and Pool, or Wildcat:

Elkhorn Watton Canyon

4. Location of Well

Footages: **1519 FNL & 4533 FWL**
QQ, Sec., T., R., M.: **SW NW Sec. 19-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)

- 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 Hold for use in Elkhorn Watton Canyon Field
- 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.)

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: 4-8-04
Initials: CHD

(See Instructions on Reverse Side)

RECEIVED
MAR 01 2004
DIV. OF OIL, GAS & MINING

Well History Summary

Well: Elkhorn Watton Canyon Unit #19-2X 1H

Surface Location: 2176' FNL & 554' FWL, SW NW, Section 19, T-2-N, R-7-E
Summit County, Utah

Bottom Hole Location: 1519' FNL & 4533' FWL, Section 19, T-2-N, R-7-E,
Summit County, Utah

API#: 43-043-30300

Elevations: 6716' GL
6740' KB

TVD: 10,417'
MD: 14,110'
PBTD: 14,110'

Casing: - 20" conductor @ 74'
- 13 3/8", 54.5#, J-55 ST&C csg @ 2228' cmt'd W/1975 sx 65/35 Pozmix
followed by 250 sx "G" (circ'd) (17 1/2" hole)
- 7 5/8", 29.7#, S-95 BTC (7169') over (2961') 7 3/4", 46.1#, LS-125, LTC @
10,130' (9 7/8" Hole) cmt'd W/825 sx "G"
- 4 1/2", 11.6#, N-80, LTC, 8rd Liner F/9,986 – 14,110' (pre-perforated @ 1
hole/ft @ 180 degree phasing) (9/93)

Tubing: 305 jts, 2 7/8", L-80, 8rd, EUE tbg

Initial Completion: Drill 6 1/2" horizontal hole to 14,110' (Watton Canyon formation). RIH
9/93 W/4 1/2", 11.6#, N-80, LTC, 8rd Liner F/9,986 – 14,110' (pre-perforated @ 1
hole/ft @ 180 degree phasing). RIH W/ ESP production equip. (\$2,300,687)

Initial Potential: 784 BOPD + 250 MCFPD + 638 BWPD (1-26-94)

Logs Available: DLL-GR, Formation Analysis Log, MWD-GR, Temperature-GR, CBL-GR, &
Formation Microscanner Monitor-GR Log

History Updated: 2/3/04

Well Status: Active Watton Canyon Producer

Perforations: Perforated liner in OH Watton Canyon horizontal section of well (1 hole/ft – 180
degree phasing from 9,986 – 14,110')

Workovers & Other History:

9/94 ESP cable failure. (\$59,314)

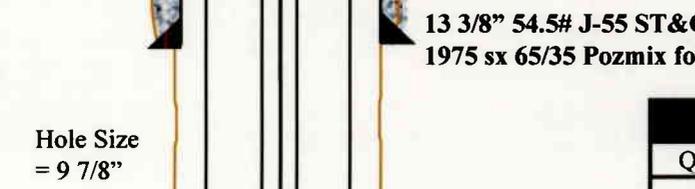
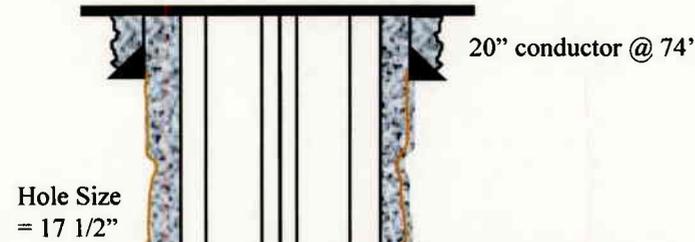
- 7/95 ESP pump & motor failure. Replace equip. RTP well. (\$17,203)
- 11/95 HIT & ESP motor & cable failure. Replace equip. RTP well. (\$23,162)
- 3/96 ESP failure. (\$25,710)
- 4/97 ESP failure due to severe corrosion. RIH W/new slip stream tbg for chemical injection. RTP well. (\$15,260)
- 4/97 Hot oil well for paraffin problems. (\$?)
- 4/97 ESP motor & pump failure. RIH to obtain BHP survey & tool stacked out @ 9828'. CO well to liner top. TIH W/3 7/8" bit to 10,231'. POOH & LD all tbg. SI well. (\$38,870)
- 5/97 RIH W/the following new ESP equip.: 1 – CL 163 stage FC650 pump, 1 – CL 305 stage FC650 pump, 1 – CL FRS-B-AR model gas separator, 1 – CL GSC3 HL seal, 1 – CL 115 H.P. 2042 V x 29A KME-1 motor, & 1 – CL PHD. (\$44,010)
- 5/97 SI well W/all equip in hole.
- 8/03 POOH & LD all tbg & ESP equip. SI well. (\$12,338)
- 11/03 PU & RIH W/B&S to TOL @ 9990'. POOH W/tbg & tools. Attempt to RIH W/prod equip. Had trouble setting TAC. POOH & rerun B&S to TOL @ 9990'. POOH W/tbg & tools. PU & RIH W/production equip. SI well. (\$89,937)

CITATION OIL AND GAS CORPORATION WELLBORE DIAGRAM AND INFORMATION

Well Name: Elkhorn Watton Canyon Unit #19-2X 1H
Date: February 3, 2004
County: Summit

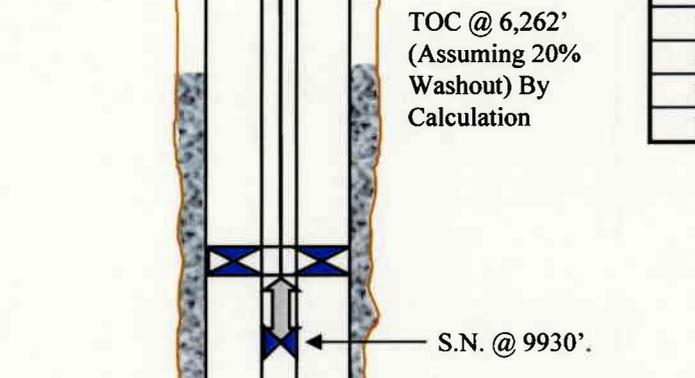
Field: Elkhorn
Location: SW NW, Section 19, T-2-N, R-7-E
State: Utah

Surface: 2176' FNL & 554' FWL
 SW NW, Section 19, T-2-N, R-7-E
 Summit County, UT
BHL: 1519' FNL & 4533' FWL
 Section 19, T-2-N, R-7-E
Completed: September, 1993
Grd. Elev.: 6716'
KB: 24'
API #: 43-043-30300

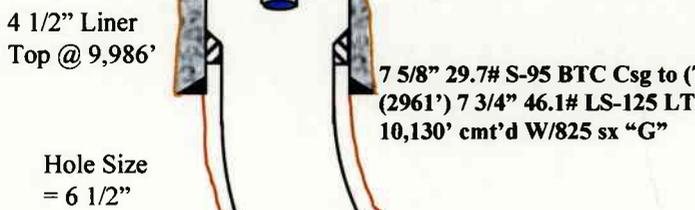


TUBING DETAIL			
Qty	Description	Length	Depth
---	KB (used)	24	24.00
304	2 7/8", L-80, 6.5#, EUE, 8rd, tbg	9,872.00	9,896.00
1	Baker TAC	4.00	9,900.00
1	2 7/8", L-80, 6.5#, EUE, 8rd, tbg	29.50	9,929.50
1	SN	0.50	9,930.00
1	Perforated sub	4.50	9,934.50
1	2 7/8", L-80, 6.5#, EUE, 8rd, tbg W/H	32.50	9,967.00

TOC @ 6,262'
 (Assuming 20%
 Washout) By
 Calculation



ROD DETAIL			
Qty	Size	Type	Length
140	1"	"D"	3,500
127	7/8"	"D"	3,175
130	3/4"	"D"	3,250
Polish Rod: 1 1/2" x 30'			
Pony Rods: 1 - 1" X 6'			
Pump: 2 1/2" x 1 1/2" x 22' RHBC			



4 1/2" 11.6# N-80 LTC 8rd
 Liner F/9,986' - 14,110'
 (pre-perf'd 1 hole/ft 180
 degree phasing - run 9/93)

KOP: +/-10,147'
 BUR: +/-14°/100'

Watton Canyon (Twin Creek)
 TVD = 10,417'

PBTD = 14,110'
 TMD = 14,110'



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

	Well Name	API	Lease Type	Years Inactive
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

5. Lease Designation and Serial Number:

FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name:

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.

7. Unit Agreement Name:

Elkhorn Watton Canyon

1. Type of Well:

OIL GAS OTHER:

8. Well Name and Number:

**Elkhorn Watton Canyon Unit
19-2X 1H**

2. Name of Operator

Citation Oil & Gas Corp.

9. API Well Number:

43-043-30300

3. Address and Telephone Number:

P O Box 690688, Houston, Texas 77269 (281) 517-7800

10. Field and Pool, or Wildcat:

Elkhorn Watton Canyon

4. Location of Well

Footages: **1519 FNL & 4533 FWL**
QQ, Sec., T., R., M.: **SW NW Sec. 19-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)

- 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 **Hold for use in Elkhorn Watton Canyon Field**
- 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.)
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 9900'.

13.

Name & Signature: Debra Harris

Debra Harris

Title:

Prod/Reg Coordinator

Date:

6/8/2004

(This space for State use only)

(12192)

COPY SENT TO OPERATOR
Date: 7/21/04
Initials: CHD

RECEIVED

JUN 10 2004

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

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

DATE: 7/21/04

BY: Debra Harris

* See attached letter dated 7/21/04

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: FEE
2. Name of Operator Citation Oil & Gas Corp.	6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: P O Box 690688, Houston, Texas 77269 (281) 517-7800	7. Unit Agreement Name: Elkhorn Watton Canyon
4. Location of Well Footages: 1519 FNL & 4533 FWL QQ, Sec., T., R., M.: SW NW Sec. 19-T2N-R7E	8. Well Name and Number: Elkhorn Watton Canyon Unit 19-2X 1H 9. API Well Number: 43-043-30300 10. Field and Pool, or Wildcat: Elkhorn Watton Canyon County: Summit State: Utah

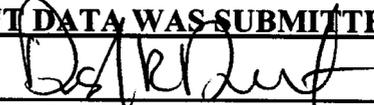
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)																										
<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table>	<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 _____		<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment*</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>Hold for use in Elkhorn Watton Canyon Field</u></td> <td></td> </tr> </table>	<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>Hold for use in Elkhorn Watton Canyon Field</u>	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction																										
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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.																										

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THIS SUNDRY IS BEING RETURNED; INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION (see attached letter).


 April 5, 2004
 Utah Division of Oil, Gas and Mining

13. Name & Signature: Sharon Ward Title: Regulatory Administrator Date: 2/18/04

(This space for State use only)

(12192) (See Instructions on Reverse Side)

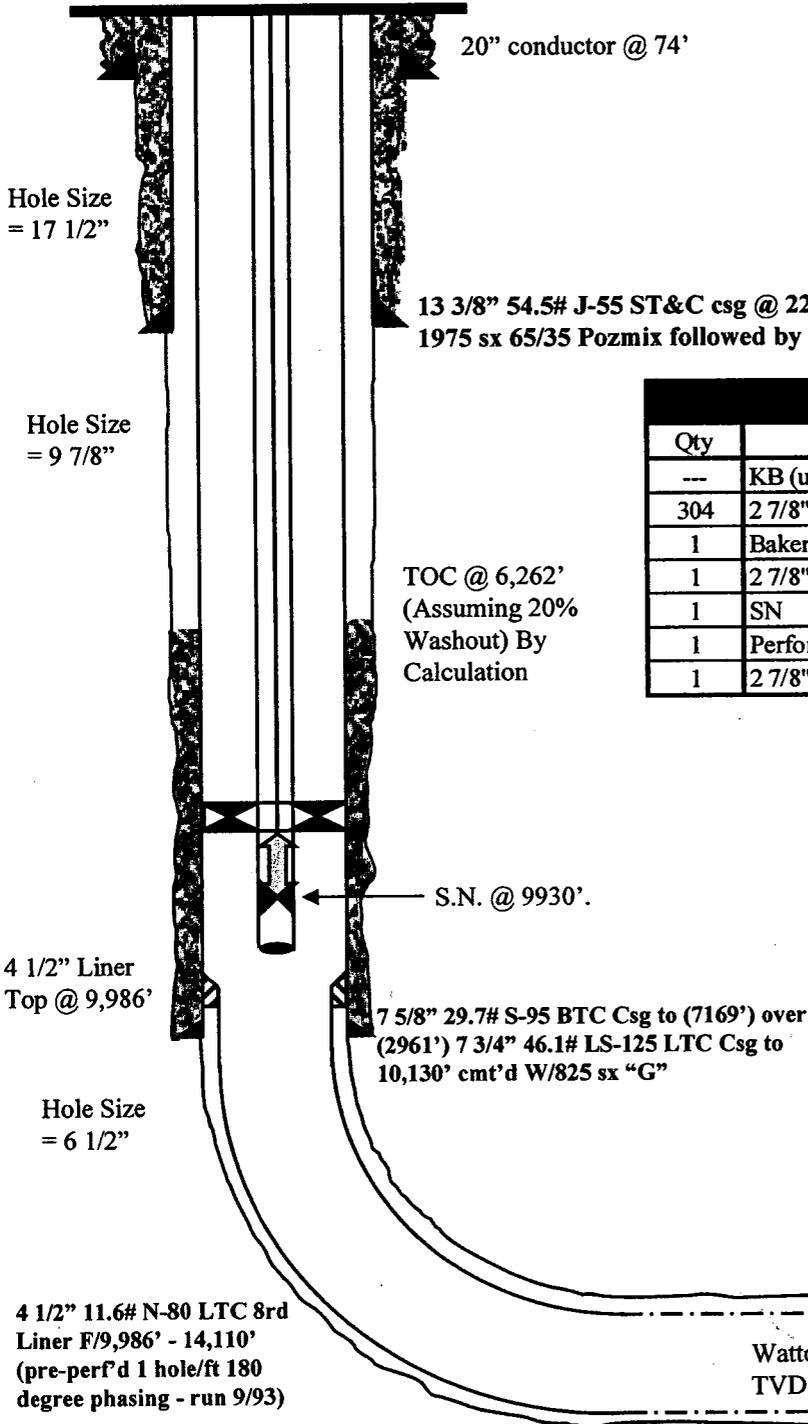
RECEIVED
 MAR 01 2004
 DIV. OF OIL, GAS & MINING

CITATION OIL AND GAS CORPORATION WELLBORE DIAGRAM AND INFORMATION

Well Name: Elkhorn Watton Canyon Unit #19-2X 1H
Date: February 3, 2004
County: Summit

Field: Elkhorn
Location: SW NW, Section 19, T-2-N, R-7-E
State: Utah

Surface: 2176' FNL & 554' FWL
 SW NW, Section 19, T-2-N, R-7-E
 Summit County, UT
BHL: 1519' FNL & 4533' FWL
 Section 19, T-2-N, R-7-E
Completed: September, 1993
Grd. Elev.: 6716'
KB: 24'
API #: 43-043-30300



TUBING DETAIL			
Qty	Description	Length	Depth
---	KB (used)	24	24.00
304	2 7/8", L-80, 6.5#, EUE, 8rd, tbg	9,872.00	9,896.00
1	Baker TAC	4.00	9,900.00
1	2 7/8", L-80, 6.5#, EUE, 8rd, tbg	29.50	9,929.50
1	SN	0.50	9,930.00
1	Perforated sub	4.50	9,934.50
1	2 7/8", L-80, 6.5#, EUE, 8rd, tbg W/E	32.50	9,967.00

ROD DETAIL			
Qty	Size	Type	Length
140	1"	"D"	3,500
127	7/8"	"D"	3,175
130	3/4"	"D"	3,250
Polish Rod: 1 1/2" x 30'			
Pony Rods: 1 - 1" X 6'			
Pump: 2 1/2" x 1 1/2" x 22' RHBC			

KOP: +/-10,147'
BUR: +/-14°/100'

Watton Canyon (Twin Creek)
 TVD = 10,417'

PBTD = 14,110'
 TMD = 14,110'



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

	Well Name	API	Lease Type	Years Inactive
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

5. Lease Designation and Serial Number:

FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name:

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.

7. Unit Agreement Name:

Elkhorn Watton Canyon

1. Type of Well:

OIL

GAS

OTHER:

8. Well Name and Number:

**Elkhorn Watton Canyon Unit
19-2X 1H**

2. Name of Operator

Citation Oil & Gas Corp.

9. API Well Number:

43-043-30300

3. Address and Telephone Number:

P O Box 690688, Houston, Texas 77269 (281) 517-7800

10. Field and Pool, or Wildcat:

Elkhorn Watton Canyon

4. Location of Well

Footages: **1519 FNL & 4533 FWL**

County: **Summit**

QQ, Sec., T., R., M.: **SW NW Sec. 19-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 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 **Hold for use in Elkhorn Watton Canyon Field**
- 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.)

Citation requests permission to retain this wellbore in a shut-in status. This well is being considered for P&A. we are waiting for procedures and approval.

THIS SUNDRY IS BEING RETURNED; INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION (see R649-3-36 and Certified Letter Dated December 5, 2005).

[Signature]
Utah Division of Oil, Gas and Mining

December 5, 2005

13.

Name & Signature: Bridget Lisenbe **Bridget Lisenbe** Title: Regulatory Assistant Date: 6/21/05

(This space for State use only)

(12/92)

COPY SENT TO OPERATOR
Date: 12-2-05
Initials: CLD

(See Instructions on Reverse Side)

RECEIVED
JUN 23 2005
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

December 5, 2005

✓ 3043 30300
2N7E19

CERTIFIED MAIL NO. 7002 0510 0003 8603 0140

Ms. Debra Harris
Citation Oil & Gas Corporation
P.O. Box 690688
Houston, Texas 77269-0688

Re: Second Notice of Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases dated January 22, 2004.

Dear Ms. Harris:

This correspondence is in response to Citation Oil & Gas Corporation's ("Citation") fourteen (14) sundries with various dates between June 23 and October 20, 2005. In 2004, the Division of Oil, Gas and Mining (the "Division") gave approval for extended shut-in/temporarily abandoned (SI/TA) well status for the then seventeen (17) SI/TA wells. The approval was based on a plan to plug and abandon (P&A) four (4) wells and submit integrity information on the remaining thirteen (13) wells. In 2004, Citation did plug three (3) wells and submitted some limited integrity information on the remaining fourteen (14) wells.

In 2005, a plan dated July 21, 2005 (actual date appears to have been July 20, 2005 as this is the date stamp from the fax and the date stamped as received by the Division) was submitted in addition to the several sundries with various information on them requesting extended SI/TA. Inadequate information was supplied for approval of extended SI/TA status as noted on Attachment A. Requests for extended SI/TA status MUST include the following: 1) the reason for extended SI/TA, 2) the length of time expected to be SI/TA and 3) a showing the well has integrity. The Division felt that none of the requests properly addressed the integrity issue. Just supplying pressures and fluid levels does not by itself show wellbore integrity. It is up to the operator to show integrity. The operator should explain how the submitted information shows integrity. Several of the requests were lacking in the first two requirements as well.

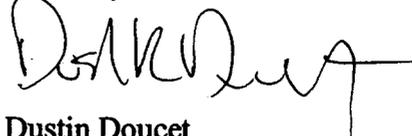
Page 2
Ms. Debra Harris
December 5, 2005

In addition to having insufficient information, NOTHING has been accomplished from the submitted plan. Of the fourteen (14) current SI/TA Fee or State wells, the July 20, 2005 plan proposed the P&A of seven (7) wells, conversion to a water injection well for 1 well and the conversion to a salt water disposal well for 1 well. The referenced sundries also suggested that an additional three (3) wells may be P&A out of those fourteen (14) wells.

The Division requests that Citation submit the necessary information for these six wells by January 13, 2006 or further action will be initiated. This information includes reason for SI/TA, length of time for SI/TA and a showing that the wells have integrity. Please refer to the Division letter dated January 22, 2004 for more information on the requirements.

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

Attachment
cc: Well file
Operator compliance file
SITLA

ATTACHMENT A

	Well Name	API	Lease Type	Years Inactive	Reason(s) for Denial
1	Walker Hollow U 58	43-047-30912	State	7 Years 7 Months	Reason, Length, Explanation, Integrity(Dynamic)
2	Walker Hollow 44	43-047-30688	State	17 Years 3 Months	Length, Explanation, Integrity
3	UPRR 35-2H	43-043-30305	Fee	7 Years 1 Month	Length, Explanation
4	Bingham 10-1	43-043-30025	Fee	7 Years 6 Months	Explanation, Integrity(Dynamic)
5	UPRC 3-11H	43-043-30318	Fee	7 Years 4 Months	Explanation, Integrity(Dynamic?)
6	Blonquist 26-3	43-043-30235	Fee	8 Years 9 Months	Reason, Explanation
7	Bingham 2-2	43-043-30028	Fee	8 Years 6 Months	Reason, Explanation
8	Elkhorn Watton Cyn U 19-2X	43-043-30300	Fee	8 Years 7 Months	Length, Explanation, Reason?
9	Elkhorn Watton Cyn U 18-1	43-043-30284	Fee	9 Years 3 Months	Length, Explanation, Reason?
10	Bingham 2-4	43-043-30038	Fee	9 Years 7 Months	Reason, Explanation
11	UPRR 3-1	43-043-30012	Fee	16 Years 2 Months	Explanation, Integrity(Dynamic?)
12	Judd 34-1	43-043-30061	Fee	13 Years 11 Months	Reason, Explanation
13	Judd 34-3	43-043-30098	Fee	13 Years 11 Months	Reason, Explanation
14	Pineview 4-3	43-043-30083	Fee	1 Year 10 Months	Reason, Length, Explanation, Integrity

Length = Lacking length of time information

Explanation = Lacking explanation on how submitted information shows integrity

Integrity = Lacking integrity information

Dynamic = Integrity information shows wellbore condition to be dynamic

Reason = Lacking reason for extended SI/TA



January 11, 2006

Mr. Dustin Doucet
State of Utah; Department of Natural Resources
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Re: Utah TA request

Dear Mr. Doucet:

In a letter dated December 5, 2005, the State of Utah requested further information on multiple SI/TA sundries that were submitted by Citation Oil and Gas. Of key concern were the following: The reason for extended SI, the length of time expected to be SI and to explain how the submitted information demonstrates that the well has integrity.

Attached is a spreadsheet which lists each well and Citations' plan and timeframe for each well-bore. A number of the wells listed are wells that are slated for P&A. Citation is attempting to package these wells in order to obtain a rig; we anticipate rig arrival by mid-year 2006. At that point Citation will begin the P&A process on the following wells; UPRR 35-2H, UPRC 3-11H, Blonquist 26-3, Bingham 2-2, Elkhorn Watton Cyn U 19-2X, Elkhorn Watton Cyn U 18-1, Bingham 2-4, UPRR 3-1, Judd 34-1, Judd 34-3 and the Pineview 4-3.

Of these wells, 3 were listed as needing further clarification as to the integrity issue. These wells are the UPRC 3-11H, UPRR 3-1, and the Pineview 4-3. Fluid levels in each of these wells have been fluctuating slightly, but given that these wells are open to formations that are being produced, this is normal. However, it would be Citations' intent to have these wells among the first slated for P&A.

Citation is not interested in the liability associated with inactive well-bores; please know that as soon as it is determined that a well-bore has no future utility, it will be plugged and abandoned.

Given that, Citation Oil and Gas respectfully requests permission to maintain the attached list of wells with a TA status until P&A operations can begin.

Sincerely,

Chad S. Stallard
Production Engineer

RECEIVED

JAN 13 2006

DIV. OF OIL, GAS & MINING

Well Name	API	Lease Type	Reason for Denial	Citations Plans for wellbore	When(year)
Walker Hollow Unit #58	43-047-30912	State	Reason, Length, Explanation, Integrity	Reactivate	2006
Walker Hollow Unit #44	43-047-30688	State	Length, Explanation, Integrity	Convert to injection	2006-2008
UPRR 35-2H	43-043-30305	Fee	Length, Explanation	P&A	2006-2007
Bingham 10-1	43-043-30025	Fee	Explanation, Integrity	Convert to SWD	2006-2007
UPRC 3-11H	43-043-30318	Fee	Explanation, Integrity	P&A (had been SWD cand)	2006-2007
Blonquist 26-3	43-043-30235	Fee	Reason, Explanation	P&A	2006-2007
Bingham 2-2	43-043-30028	Fee	Reason, Explanation	P&A	2006-2007
Elkhorn Watton Cyn U 19-2X	43-043-30300	Fee	Length, Explanation, Reason	P&A	2006-2007
Elkhorn Watton Cyn U 18-1	43-043-30284	Fee	Length, Explanation, Reason	P&A	2006-2007
Bingham 2-4	43-043-30038	Fee	Reason, Explanation	P&A	2006-2007
UPRR 3-1	43-043-30012	Fee	Explanation, Integrity	P&A	2006-2007
Judd 34-1	43-043-30061	Fee	Reason, Explanation	P&A	2006-2007
Judd 34-3	43-043-30098	Fee	Reason, Explanation	P&A	2006-2007
Pineview 4-3	43-043-30083	Fee	Reason, Length, Explanation, Integrity	P&A	2006-2007

30027

RECEIVED
JAN 13 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

February 14, 2006

CERTIFIED MAIL NO. 7005 0390 0000 7506 4659

Chad Stallard
Citation Oil & Gas Corporation
P.O. Box 690688
Houston, Texas 77269-0688

Re: Extended Shut-in and Temporarily Abandoned Well Requirements for
Fee or State Leases.

Dear Mr. Stallard:

The Division of Oil, Gas and Mining (the "Division") is in receipt of your letters dated January 11, 2006 (received by the Division 01/13/2006) in regards to fourteen (14) shut-in or temporarily abandoned (SI/TA) wells. The Division understands that Citation Oil & Gas Corporation ("Citation") plans to reactivate one well, convert one well to a disposal well, convert one well to an injection well and plug and abandon the remaining 11 wells. It is the Divisions understanding that the 11 P&A candidates are being bid out and a rig is expected to start the P&A's by mid-year 2006. Attachment A lists the wells and the proposed plan of action.

Based on the submitted plan of action and integrity information, the Division grants Citation extended SI/TA status for the fourteen wells listed in attachment A. The extensions for these wells are valid through January 1, 2007. The Division expects continual progress on the plugging of the wells and continued monitoring of wellbore integrity. Should wellbore conditions change, Citation should contact the Division immediately. Remedial action may be necessary.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet
Petroleum Engineer

cc: Well Files
SITLA

ATTACHMENT A

TO2N RO7E S-19

	Well Name	API	Lease Type	Years Inactive	Citation's Plans For Wellbore	When(year)
1	Walker Hollow U 58	43-047-30912	State	7 Years 7 Months	Reactivate	2006
2	Walker Hollow 44	43-047-30688	State	17 Years 3 Months	Convert to Injection	2006-2008
3	UPRR 35-2H	43-043-30305	Fee	7 Years 1 Month	P&A	2006-2007
4	Bingham 10-1	43-043-30025	Fee	7 Years 6 Months	Convert to SWD	2006-2007
5	UPRC 3-11H	43-043-30318	Fee	7 Years 4 Months	P&A	2006-2007
6	Blonquist 26-3	43-043-30235	Fee	8 Years 9 Months	P&A	2006-2007
7	Bingham 2-2	43-043-30028	Fee	8 Years 6 Months	P&A	2006-2007
8	Elkhorn Watton Cyn U 19-2X	43-043-30300	Fee	8 Years 7 Months	P&A	2006-2007
9	Elkhorn Watton Cyn U 18-1	43-043-30284	Fee	9 Years 3 Months	P&A	2006-2007
10	Bingham 2-4	43-043-30038	Fee	9 Years 7 Months	P&A	2006-2007
11	UPRR 3-1	43-043-30012	Fee	16 Years 2 Months	P&A	2006-2007
12	Judd 34-1	43-043-30061	Fee	13 Years 11 Months	P&A	2006-2007
13	Judd 34-3	43-043-30098	Fee	13 Years 11 Months	P&A	2006-2007
14	Pineview 4-3	43-043-30083	Fee	1 Year 10 Months	P&A	2006-2007

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 & Gas Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P O Box 690688 CITY Houston STATE TX ZIP 77269		7. UNIT or CA AGREEMENT NAME: Elkhorn Watton Canyon Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2176' FNL & 554' FWL		8. WELL NAME and NUMBER: Elkhorn Watton Canyon Un 19-2X 1H
PHONE NUMBER: (281) 517-7309		9. API NUMBER: 4304330300
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 19 2N 7E		10. FIELD AND POOL, OR WLD CAT: Elkhorn (Watton Canyon)
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: <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 19-2X 1H (formerly UPRR 19-2X 1H) with the attached procedure.

COPY SENT TO OPERATOR
Date: 8/14/06
Initials: RW

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: 8/13/06
 BY: [Signature] (See Instructions on Reverse Side)
 * See Conditions of Approval (Attached)

RECEIVED
AUG 17 2006
DIV. OF OIL, GAS & MINING

(5/2000)

PROPOSED PLUGGING PROCEDURE FOR
CITATION OIL & GAS CORP



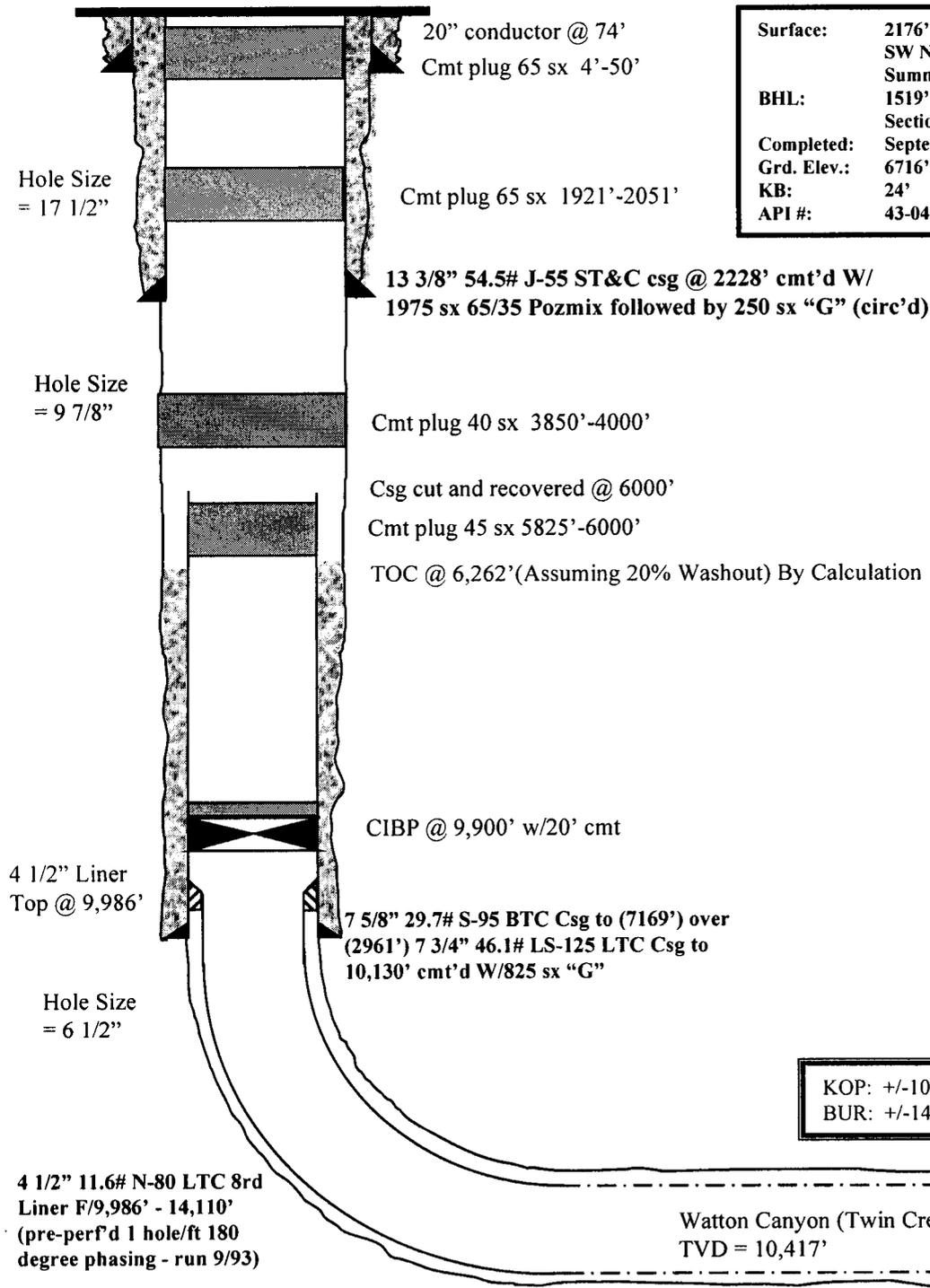
Well: Elkhorn Watton Canyon Unit #19-2X 1H
Field: Elkhorn
County: Summit County, Utah

1. MIRU. Load well with field salt water.
2. Release rod pump at 9961'.
3. POH w/ rods and rod pump.
4. Remove tree. Install BOPS.
5. Release TAC at 9930'.
6. Circulate well with 9# fluid.
7. POH w/ tbg and TAC.
8. 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.
9. Nipple up on 7 5/8" csg. RU Jacks.
10. Remove csg hanger. Work csg for Free point.
11. RD Jacks. Set Annular BOP. RU Jacks.
12. RU WL. Jet cut 7 5/8" csg at Free point. RD WL. (\pm 6000')
13. Recover 7 5/8" csg.
14. Set BOPS.
15. RIH w/ tbg to 6000'.
16. Circulate and condition fluid.
17. Set 45-sx cement plug from 5825 – 6000'.
18. Pull up. Reverse out. WOC.
19. Lower tbg and tag top of cement & record.
20. Pull tbg up to 4000'.
21. Set 40-sx cement plug from 3850 – 4000'.
22. Pull up. Reverse out. WOC.
23. Lower tbg and tag top of cement & record.
24. Pull tbg up to 2051'.
25. Set 65-sx cement plug from 1921 – 2051'.
26. Pull up. Reverse out. WOC.
27. Lower tbg and tag top of cement & record.
28. Lay tbg down.
29. Set 30-sx cement plug from 4 – 50'.
30. Cut & cap well 4' below ground level.
31. Rig down. Move off location.

CITATION OIL AND GAS CORPORATION PROPOSED WELLBORE DIAGRAM AND INFORMATION

Well Name: Elkhorn Watton Canyon Unit #19-2X 1H
Date: August 9, 2006
County: Summit

Field: Elkhorn
Location: SW NW, Section 19, T-2-N, R-7-E
State: Utah



Surface:	2176' FNL & 554' FWL SW NW, Section 19, T-2-N, R-7-E Summit County, UT
BHL:	1519' FNL & 4533' FWL Section 19, T-2-N, R-7-E
Completed:	September, 1993
Grd. Elev.:	6716'
KB:	24'
API #:	43-043-30300

KOP: +/-10,147'
BUR: +/-14°/100'

PBTD = 14,110'
TMD = 14,110'

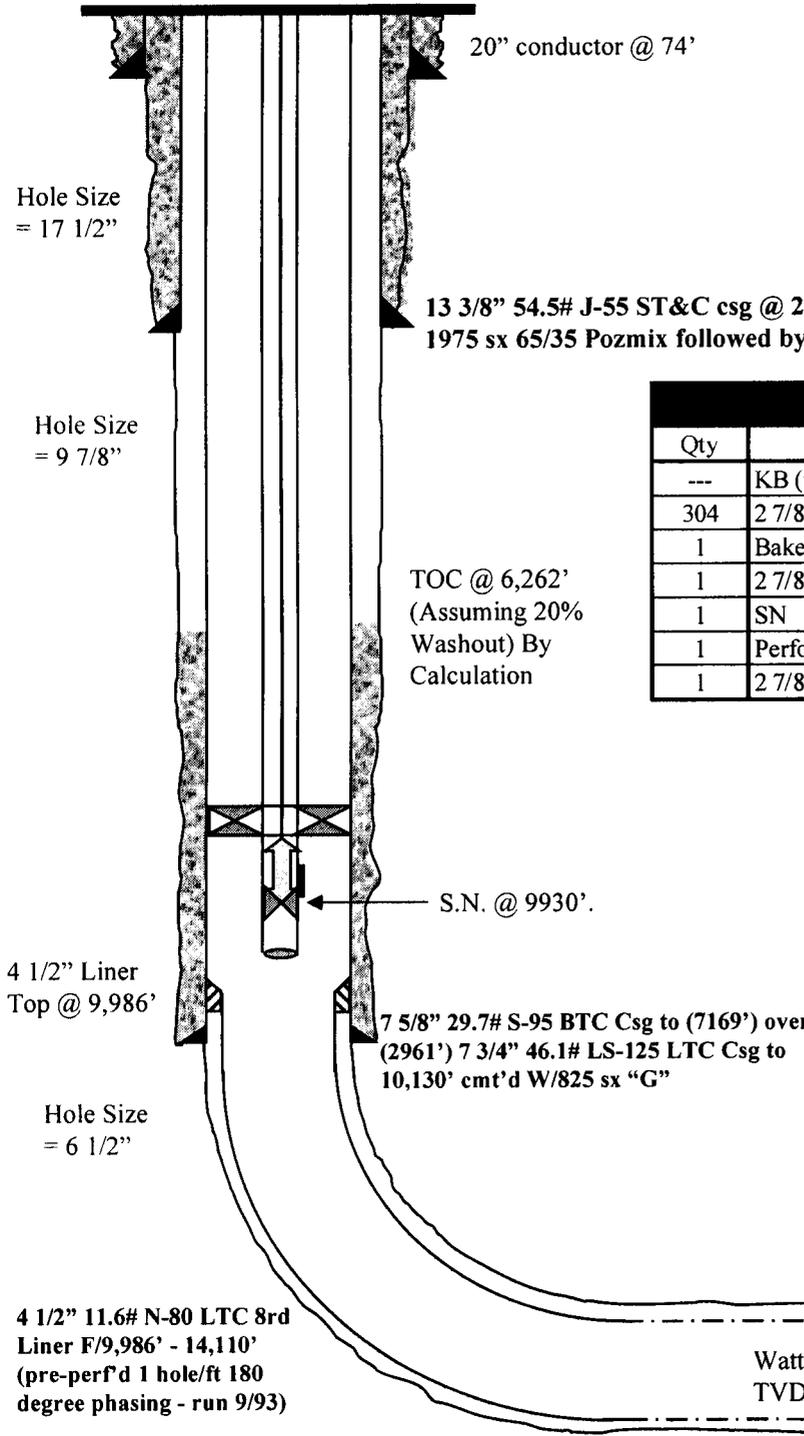
Watton Canyon (Twin Creek)
TVD = 10,417'

CITATION OIL AND GAS CORPORATION WELLBORE DIAGRAM AND INFORMATION

Well Name: Elkhorn Watton Canyon Unit #19-2X 1H
Date: February 3, 2004
County: Summit

Field: Elkhorn
Location: SW NW, Section 19, T-2-N, R-7-E
State: Utah

Surface:	2176' FNL & 554' FWL SW NW, Section 19, T-2-N, R-7-E Summit County, UT
BHL:	1519' FNL & 4533' FWL Section 19, T-2-N, R-7-E
Completed:	September, 1993
Grd. Elev.:	6716'
KB:	24'
API #:	43-043-30300



20" conductor @ 74'

Hole Size = 17 1/2"

13 3/8" 54.5# J-55 ST&C csg @ 2228' cmt'd W/
1975 sx 65/35 Pozmix followed by 250 sx "G" (circ'd)

Hole Size = 9 7/8"

TOC @ 6,262'
(Assuming 20%
Washout) By
Calculation

S.N. @ 9930'

4 1/2" Liner
Top @ 9,986'

7 5/8" 29.7# S-95 BTC Csg to (7169') over
(2961') 7 3/4" 46.1# LS-125 LTC Csg to
10,130' cmt'd W/825 sx "G"

Hole Size = 6 1/2"

4 1/2" 11.6# N-80 LTC 8rd
Liner F/9,986' - 14,110'
(pre-perf'd 1 hole/ft 180
degree phasing - run 9/93)

KOP: +/-10,147'
BUR: +/-149/100'

Watton Canyon (Twin Creek)
TVD = 10,417'

PBTD = 14,110'
TMD = 14,110'

TUBING DETAIL			
Qty	Description	Length	Depth
---	KB (used)	24	24.00
304	2 7/8", L-80, 6.5#, EUE, 8rd, tbg	9,872.00	9,896.00
1	Baker TAC	4.00	9,900.00
1	2 7/8", L-80, 6.5#, EUE, 8rd, tbg	29.50	9,929.50
1	SN	0.50	9,930.00
1	Perforated sub	4.50	9,934.50
1	2 7/8", L-80, 6.5#, EUE, 8rd, tbg W/E	32.50	9,967.00

ROD DETAIL			
Qty	Size	Type	Length
140	1"	"D"	3,500
127	7/8"	"D"	3,175
130	3/4"	"D"	3,250
Polish Rod: 1 1/2" x 30'			
Pony Rods: 1 - 1" X 6'			
Pump: 2 1/2" x 1 1/2" x 22' RHBC			



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 19-2X 1H
API Number: 43-043-30300
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' (± 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 200' plug (± 41 sx) shall be balanced across the fresh water flows in the Stump formation from 7200' to 7000' (R649-3-24-3.3).
5. **Amend Plug #3 (procedural step #17):** Plug shall be from 50' inside the stub ($\pm 6050'$) to a minimum of 50' above the casing stub ($\pm 5950'$) - R649-3-24-3.8. Quantity of cement proposed is adequate.
6. **Move Plug #5 (procedural step #25):** The plug shall be placed 250' deeper across the surface casing shoe from 2300' to 2200' (R649-3-24-3.6).
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

API Well No: 43-043-30300-00-00 Permit No:

Well Name/No: ELKHORN WATTON CYN U 19-2

Company Name: CITATION OIL & GAS CORP

Location: Sec: 19 T: 2N R: 7E Spot: SWNW

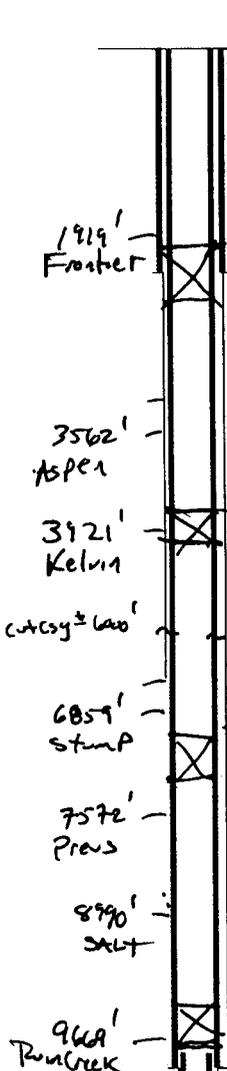
Coordinates: X: 482627 Y: 4526918

Field Name: ELKHORN

County Name: SUMMIT

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (H/c)
HOL1	2234	17.5			
SURF	2234	13.325	54.5	2234	1.152
HOL2	10130	9.875			
II	10130	7.625 7 3/4"	46.1	3090	4.261
II	10130	7.625	29.7	7040	3.879
HOL3	14110	6.5			
LI	14110	4.5	11.6	4124	



Plug #6 (Step #29)
 $(3000)(1.15)(1.152) = 40'$
 o.k.

Cement from 2234 ft. to surface
 Surface: 13.325 in. @ 2234 ft.

Hole: 17.5 in. @ 2234 ft.
 Move Plug #5 (Step #25)
 Move across shoe ± 2300' to 2200'
 Balance $50' / (1.15)(1.3057) = 33.5K$
 Adjustive $(3200)(1.15)(1.152) = 42'$
 o.k.

$9.875" \times 7.8" (208) \rightarrow 2.228$
 $7.875" \text{ hole } (208) \rightarrow 1.3057$

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
II	10130	6262	G	825
SURF	2234	0	PC	1975
SURF	2234	0	G	250

Plug #4 (Step #21)
 $(405K)(1.15)(1.3057) = 60'$
 $60' = 650K \text{ req'd.}$

Amend Plug #3 (Step #17)
 need 50' into sub ± 6050' to 5750' min.
 Below shoe $50' / (1.15)(3.879) = 12.5K$
 Above $(33.5K)(1.15)(1.3057) = 50'$
 o.k.

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
10130	14110			

Add Plug #2 (water flow)
 Fr. 7200' to 7000'
 $200' / (1.15)(4.261) = 41.5K$

Liner from 14110 ft. to 9986 ft.

Cement from 10130 ft. to 6262 ft.

Intermediate: 7.625 in. @ 10130 ft.

Hole: 9.875 in. @ 10130 ft.

Formation Information

Formation	Depth
FRTR	1919
ASPEN	3562
KELVN	3921
STUMP	6859
PREU	7572
PRES	8990
TWNCR	9669
LEEDSCK	10114

Amend Plug #1 (Step #8)
 need 100' on top not 20'
 $100' / (1.15)(4.261) = 20.5K$

Hole: 6.5 in. @ 14110 ft.

TD: 14110 TVD: PBTD:

43043-30300



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
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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,

A handwritten signature in black ink, appearing to read "Dustin K. Doucet".

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

COPY SENT TO OPERATOR
 Date: 1-8-07
 Initials: RM

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@tetrathec.com

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

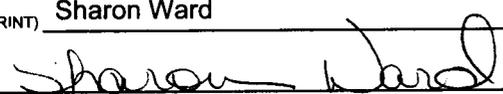
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

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 & Gas Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P O Box 690688 CITY Houston STATE TX ZIP 77269		7. UNIT or CA AGREEMENT NAME: Elkhorn Watton Canyon Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2176' FNL & 554' FWL		8. WELL NAME and NUMBER: Elkhorn Watton Canyon Un 19-2X
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 19 2N 7E		9. API NUMBER: 4304330300
COUNTY: Summit		10. FIELD AND POOL, OR WILDCAT: Elkhorn (Watton Canyon)
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" 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: 10/9/2007	<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.

On 9/15/2007 MI RU. Opened well. Broke flow line off latch elevator to polish rod. Released pmp. LD rods. Put polish rod back on. RU hot oil trk. Pmp'd 180 bbls dn tbg. RD trk. LD polish rod & RU floor. LD 70 rods. PU polish rod & put on well. RD rod equip. Removed tbg slips & flang. NU BOP's. RU equip. Rls'd TAC. Run CIBP to 9900' set w/30,000#. PU tbg weight release out. RU hot oil trk, circ well w/9# fluid @ 180 deg. RD trk. POOH w/tbg, LD TAC. Broke circ & set 20 sxs 16.4# cmt plug from 9800-9900' on top of CIBP. Put 10 gal of pkr fluid. Pulled tbg to 7200'. Set 72 sxs cmt plug from 6900-7200. Pulled tbg out of cmt. Rvs'd out clean. WOC. Tagged TOC @ 6904'. POOH w/tbg. RU WL. RIH & perf'd 7 5/8" csg @ 4000' w/4 holes. POOH RD WL. RIH w/tbg to 3700'. Unable to sqz w/1300#. Lowered tbg to 4050'. Set 50 sxs 16.4# cmt plug from 3850-4080'. Pulled tbg out of cmt. Rvs'd out & WOC. Spotted 15 gal of pkr fluid on cmt plug. Tagged TOC @ 3038'. POOH w/tbg 2300' on derrick and LD. ND BOP's & WH. Loaded well w/FW. NU on 7 5/8" csg. Ru csg jacks. RU WL. RIH & cut csg @ 2278'. w/biwire. POOH RD WL. Pulled on csg jacks. Removed csg hanger w/180,000#. Csg came free. RD csg jacks. NU adapter spool & annular BOP's. RU equip & rig floor. LD 15 jts cut w/torch 2" above collar. RD equip. ND annular BOP & spool. NU csg WH & BOP's. RU equip. RIH w/tbg to 2350'. Circ & conditioned fluid. Broke circ. Set 90 sxs cmt plug from 2180-2330'. Put 15 gal pkr fluid. Pulled tbg out of cmt. WOC. Tagged @ 2160'. Pulled tbg to 50'. Set 40 sxs cmt plug from 4'-50'. Put 10 gal pkr fluid. LD tbg. RD equip & rig floor. RD derrick. PU guylines. Ream & HYD jacks. Cleaned location. All plugs witnessed by DOGM representative. Well plugged and abandoned on 10/9/2007.

NAME (PLEASE PRINT) <u>Sharon Ward</u>	TITLE <u>Permitting Manager</u>
SIGNATURE 	DATE <u>10/16/2007</u>

(This space for State use only)

RECEIVED
OCT 19 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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:
		7. UNIT or CA AGREEMENT NAME: Elkhorn Watton Canyon Unit
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Plugged</u>		8. WELL NAME and NUMBER: Elkhorn Watton Canyon Un 19-2X
2. NAME OF OPERATOR: Citation Oil & Gas Corp.		9. API NUMBER: 4304330300
3. ADDRESS OF OPERATOR: P O Box 690688 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77269</u>		10. FIELD AND POOL, OR WILDCAT: Elkhorn (Watton Canyon)
PHONE NUMBER: (281) 891-1556		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2176' FNL & 554' FWL		COUNTY: Summit
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 19 2N 7E		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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	<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 checked="" 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.

The above well was plugged and abandoned on 10/9/2007. 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>

(This space for State use only)

RECEIVED

NOV 02 2009

DIV. OF OIL, GAS & MINING