

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB REPORT/abd. _____

DATE FILED 9-12-84

LAND: FEE & PATENTED X STATE LEASE NO. _____ PUBLIC LEASE NO. _____ INDIAN _____

DRILLING APPROVED: 9-17-84 - OIL

SPUDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION _____

DATE ABANDONED: VA. Application Rescinded # 2880

FIELD: WILDCAT

UNIT: CHRISTMAS CREEK II UNIT

COUNTY: SUMMIT

WELL NO. CHRISTMAS CREEK II UNIT #35-8 API #43-043-30267

LOCATION 1228' FNL FT. FROM (N) (S) LINE. 758' FEL FT. FROM (E) (W) LINE. NENE 1/4 - 1/4 SEC. 35

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR

2N	10E	35	SOHIO PETROLEUM CO.
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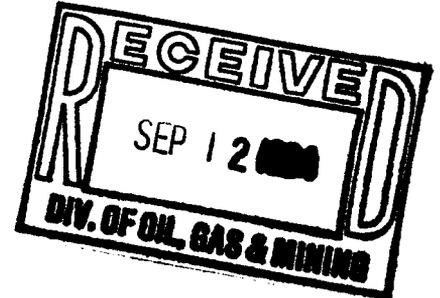


SOHIO PETROLEUM COMPANY
EXPLORATION AND PRODUCTION

P. O. BOX 30
CASPER, WYOMING 82602

September 11, 1984

WHW: 24
ID: 0212C



Ron Firth
Division Oil, Gas, and Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: App. for Permit to Drill
Christmas Creek 35-8
NE/4 NE/4
Sec. 35, T2N, R10E
Summit County, Utah

Dear Mr. Firth:

Enclosed is the original and two copies of the Application for Permit to Drill the Christmas Creek 35-8 well and the drilling program. It is requested that all proprietary information (i.e. geologic tops, logs, DST results, and core analyses) be kept confidential for the maximum allowable time period. From this date on all such information will be appropriately marked prior to submittal to your office.

Please advise if further information is needed to approve this application.

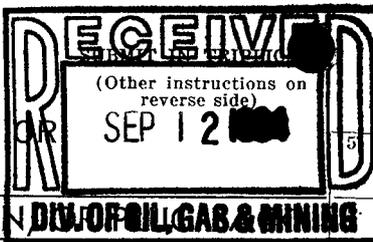
Sincerely,

W.H. Ward
District Manager

to TR/jc

cc: Ed Guynn, BLM
Frank Snell, BLM
Jerry Green, FS
J.H. Walters
T. Rooney
File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Form approved.
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 Sohio Petroleum Company

3. ADDRESS OF OPERATOR
 P.O. Box 30, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface
 1228.6' FNL, 758.4' FEL (NE NE)
 At proposed prod. zone
 Same

5. LEASE DESIGNATION AND SERIAL NO.
 Fee

6. INDIAN, ALLOTTEE OR TRIBE NAME
 NA

7. UNIT AGREEMENT NAME
 Christmas Creek II

8. FARM OR LEASE NAME
 Christmas Creek

9. WELL NO.
 35-8

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 35, T2N, R10E

12. COUNTY OR PARISH
 Summit

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 36 miles south of Evanston, WY

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 758.4'

16. NO. OF ACRES IN LEASE
 1280

17. NO. OF ACRES ASSIGNED TO THIS WELL
 Unspaced

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 ±2800'

19. PROPOSED DEPTH
 6600'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 9000' GR

22. APPROX. DATE WORK WILL START*
 October 1, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½"	13-3/8"	48	300'	600 sx.
12¼"	9-5/8"	40	300-2600'	1800 sx.
8½"	7"	23, 26	2600-6600'	400 sx.

20" conductor casing will be set @ 30' G.L. and be cemented back to surface.

Attachments: 1) Surveyor's plat, 2) BOP diagram, 3) Drilling Program.

Utah Statewide Bond 00683449 - 1-1-84 is in force.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9/11/84
BY: John R. Berg

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

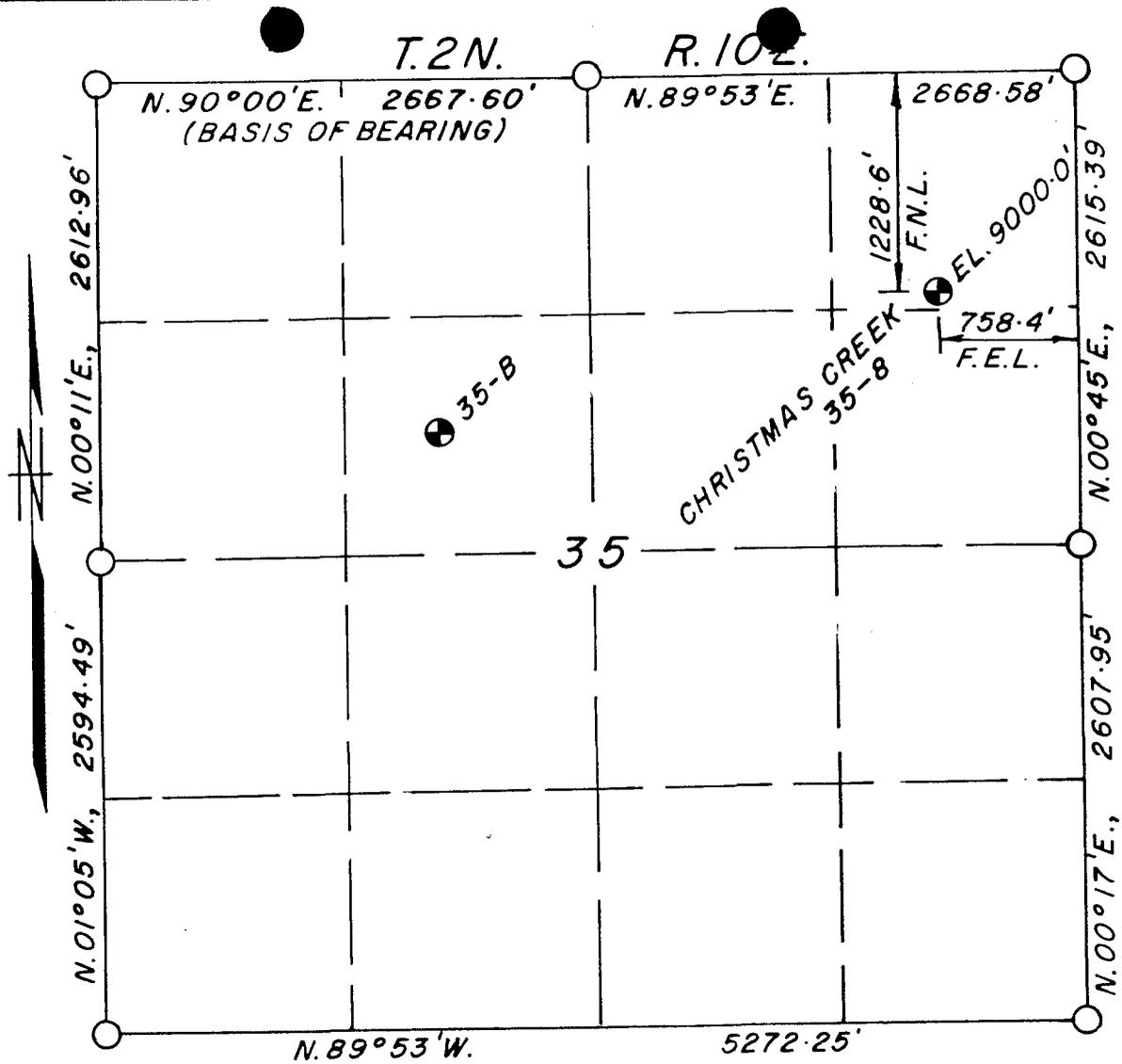
24. SIGNED W.H. Ward TITLE District Manager DATE 9/11/84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



SCALE: 1"=1000'

○ INDICATES G.L.O. BRASS CAP FOUND

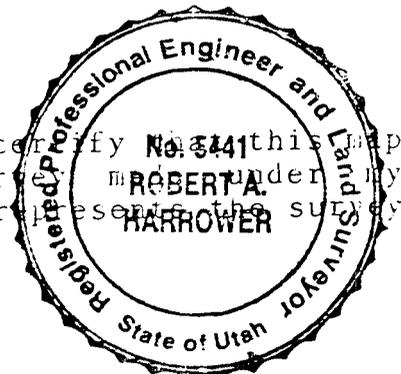
SOHIO CHRISTMAS CREEK 35-8 is located in the NE/4NE/4 of Sec. 35, T. 2 N., R. 10 E., Salt Lake Meridian, Summit County, Utah, at an existing elevation of 9000.0. This elevation is based on a spot elevation of 8810 at the road intersection near the N/4 corner of Section 26, T. 2 N., R. 10 E., as shown on the U.S.G.S Christmas Creek Quad..

CERTIFICATE OF SURVEYOR

STATE OF WYOMING)
 COUNTY OF SUBLETTE) SS

I, ROBERT A. HARROWER of Pinedale, Wyoming, hereby certify that this map was made from notes taken during an actual survey under my supervision in August, 1984, and that it correctly represents the survey as shown.

Robert A. Harrower
 ROBERT A. HARROWER, UTAH P.E. & L.S. 5441



RIO VERDE Engineers - Surveyors Environmental Planners PINEDALE, WYOMING		SOHIO PETROLEUM COMPANY CHRISTMAS CREEK 35-8 NE/4 NE/4 of Sec. 35, T. 2 N., R. 10 E. SUMMIT COUNTY, UTAH -- WASATCH NATIONAL FOREST LOCATION PLAT	SHEET NO. DATE J. O. 1135
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Attachment #1
Drilling Program
Sohio Petroleum Company
Christmas Creek 35-8

1228.6' FNL, 758.4' FEL
Sec. 35, T2N, R10E
Summit County, Utah

1) Geology: Surface, Markers and Possible Contents

Tertiary Allivium	Surface
Nugget	3000'
Ankareh	3400'
Thaynes	4200'
Woodside	5000'
Phosphoria	5700'
Weber	6000'
T.D.	6600'

2) Proposed Casing Program

SF Tension	1.6
Collapse	1.125
Burst	1.25

<u>Hole</u>	<u>Depth</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>New/Used</u>
17-1/2"	0-300'	13-3/8	48#/ft.	H-40	ST&C	New
12-1/4"	300-2600'	9-5/8	40#/ft.	K-55	LT&C	New
8-1/2"	2600-T.D.	7"	23 & 26#	L-80	LT&C	New

Conductor Casing - 20" conductor will be set at 30' G.L. and cemented back to surface.

Proposed Cement Program:

Volumes and additives will change subject to conditions encountered during drilling operations.

Surface - 13-3/8" 0-300' 600 sx. Class 'G' + additives.
Protection - 0-2600'
 Lead - 1500 sx. Lite Wate + additives
 Tail - 300 sx. Class 'G' + additives.
Production - 5000-T.D. 400 sx. Class 'G' + additives.

3) Pressure Control Equipment - See Attachments 2A and 2B
After NU BOP's:

1. Ram type preventers shall be tested to 5000 W.P.
2. Annulus preventers shall be tested to 3000 psi.

Pipe rams shall be operated every 24 hours. The blind rams shall be operated after each trip.

Blowout prevention drills shall be held by each crew at least every week and the drills must be posted in the tour reports.

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Pressure Control Equipment - (Cont'd)

Stack will be fully tested after any use under pressure or if it is broken down at any time. Tests to the above pressure are to be conducted every 30 days.

The accumulator system will be 3000 psi working pressure with a minimum of 120 gallons with remote controls on the rig floor and manual controls at the unit.

4) Type and Characteristics of Circulating Muds:

		<u>Wt.</u>	<u>Vis.</u>	<u>W.L.</u>
0-300'	Spud Mud	8.8-9.2	40-60	N/C
300-2600'	Low Solids	8.6-12.0	30-60	10-20
2600-8600'	LSND	8.6-9.0	30-40	6-10

An adequate supply of sorptive materials will be on hand in the event of unanticipated downhole problems. Weight additives will be on location as required.

5) Auxillary Equipment

Kelly cock, stabbing valve and pit level monitor from surface to total depth. A mud logger with gas detection will be on location from below surface casing setting point to total depth.

6) Testing, Coring and Logging Program:

A) Drill Stem Tests:

DST's will be run per conditions encountered while drilling the well. Potential tests are anticipated in the Thaynes and Phosphoria.

B) Cores:

Cores will be run per conditions encountered while drilling the well. Potential cores are anticipated in either the Thaynes or Phosphoria.

C) Testing, Coring and Logging

0 - 2600'	DLL/Sonic
2600' - T.D.	DLL/MSFL
	LDT/CNL/NGT
	Sonic
	Dipmeter
	VSP

Drilling Program - Christmas Creek 26-15
Page 3
September 11, 1984

Testing, Coring and Logging Program - (Cont'd)

D) Stimulation and completion procedures will be determined after evaluation of the drilling and testing information. Once determined, they will be submitted via a Sundry Notice for approval.

7) Anticipated Abnormal Conditions

No abnormal pressures or temperatures are expected. H₂S gas is possible, therefore, an H₂S contingency plan is being developed and will be submitted upon its completion.

8) The anticipated spud date is November 1, 1984. Operations should last 70 days.

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ROTATING HEAD
OPTIONAL

TO BE USED ON
13-3/8" to T.D.

ANNULAR PREVENTER
13-5/8" x 3000#
H₂S Trim

BLIND RAMS
13-5/8" x 5000E
H₂S Trim

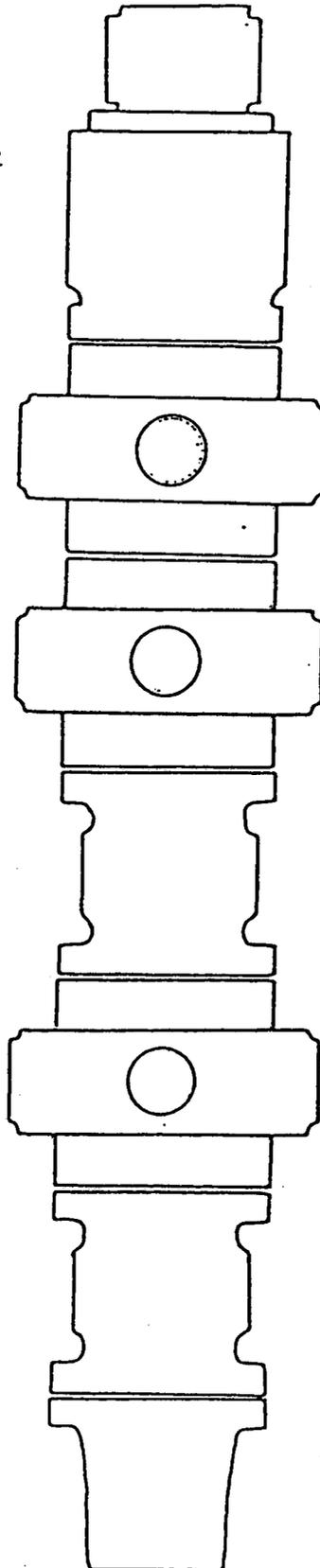
PIPE RAMS
13-5/8" x 5000#
H₂S Trim

DRILLING SPOOL
13-5/8" x 5000#
w/5000# Outlets
H₂S Trim

PIPE RAMS
13-5/8" x 5000#
H₂S Trim

DRILLING SPOOL
(OPTIONAL)

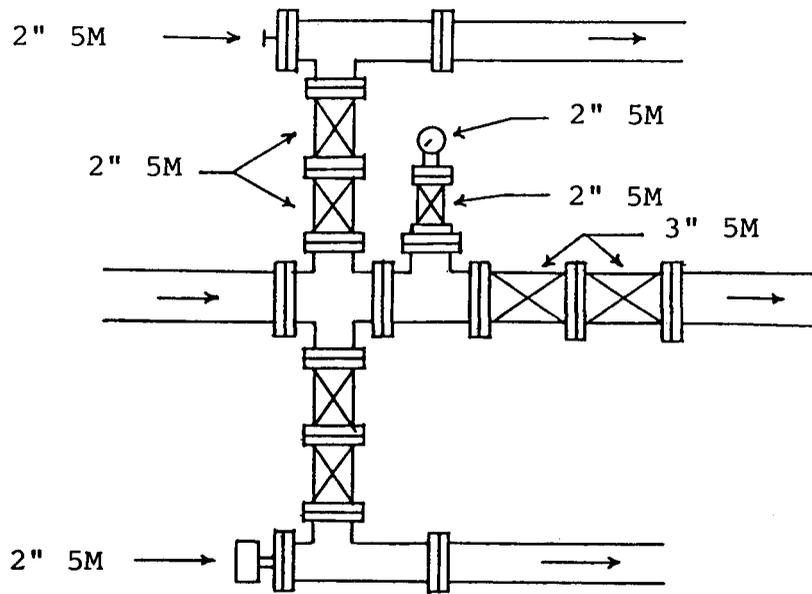
WELLHEAD



CASING SPOOL TO BE USED
IF ANY INTERMEDIATE STRING
OF CASING IS SET.

NOTE: ALL CONNECTIONS FLANGE TYPE,
H₂S TRIM

SOHIO PETROLEUM COMPANY
CHRISTMAS CREEK 35-8
SUMMIT COUNTY, UTAH



SOHIO PETROLEUM COMPANY
CHRISTMAS CREEK 35-8
SUMMIT COUNTY, UTAH

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 17, 1984

Sohio Petroleum Company
P. O. Box 30
Casper, Wyoming 82602

Gentlemen:

Re: Well No. Christmas Creek II Unit #35-8 - NENE Sec. 35, T. 2N, R. 10E
1228' FNL, 758' FEL - Summit County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Sohio Petroleum Company
Well No. Christmas Creek II Unit #35-8
September 17, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-043-30267.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 28, 1986

Sohio Petroleum Company
P.O. Box 30
Casper, Wyoming 82602

Gentlemen:

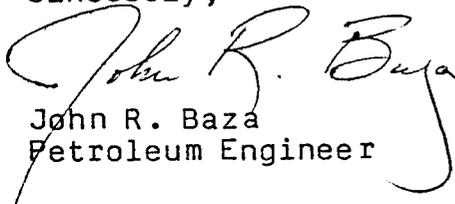
RE: Well No. Christmas Creek II Unit 35-8, Sec.35, T.2N, R.10E,
Summit County, Utah, API NO. 43-043-30267

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice.

If it is your intent to proceed with operations on the well, you must submit a request for extension of the approval to drill within the one month grace period. After the grace period, a new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

cc: D. R. Nielson
R. J. Firth
Well file
0278T-10