

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Cochran Resources, Inc.

3. ADDRESS OF OPERATOR
 P.O. Box 1656 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State or Federal regulations)
 At surface
 2006' FWL 718' FNL \ NENW
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 22 Miles South West From Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
 (Also to nearest drlg. unit line, if any)
 718'

16. NO. OF ACRES IN LEASE
 OIL, GAS & MINING

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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

19. PROPOSED DEPTH
 5100' GRRV

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5767' G.R.

5. LEASE DESIGNATION AND SERIAL NO.
 U-65632

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 21-29

10. FIELD AND POOL, OR WILDCAT
 Wildcat 001

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
 Sec 29, T10S, R17E SM

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

RECEIVED
 AUG 01 1990

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 3/4"	8 5/8"	J-55 24# STC	8rd 200' New	to surface
7 7/8"	5 1/2"	J-55 15.5# 47%	5100' New	as required

T.D. on this well will be 5100' in the Green River Formation.

See:
 8 Point Compliance Program
 13 Point Surface Use Plan
 B.O.P. Diagram
 Plat of Location
 Cut and Fill Sheets
 Topographic Map

OIL AND GAS	
DFN	4. RJF
2 JFB ✓	GLH
DIS	SLS
1-TAS	
2-TAS	
5-TAS	
6 - MICROFILM ✓	
7	FILE

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.

SIGNED [Signature] TITLE President DATE July 31, 1990

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

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

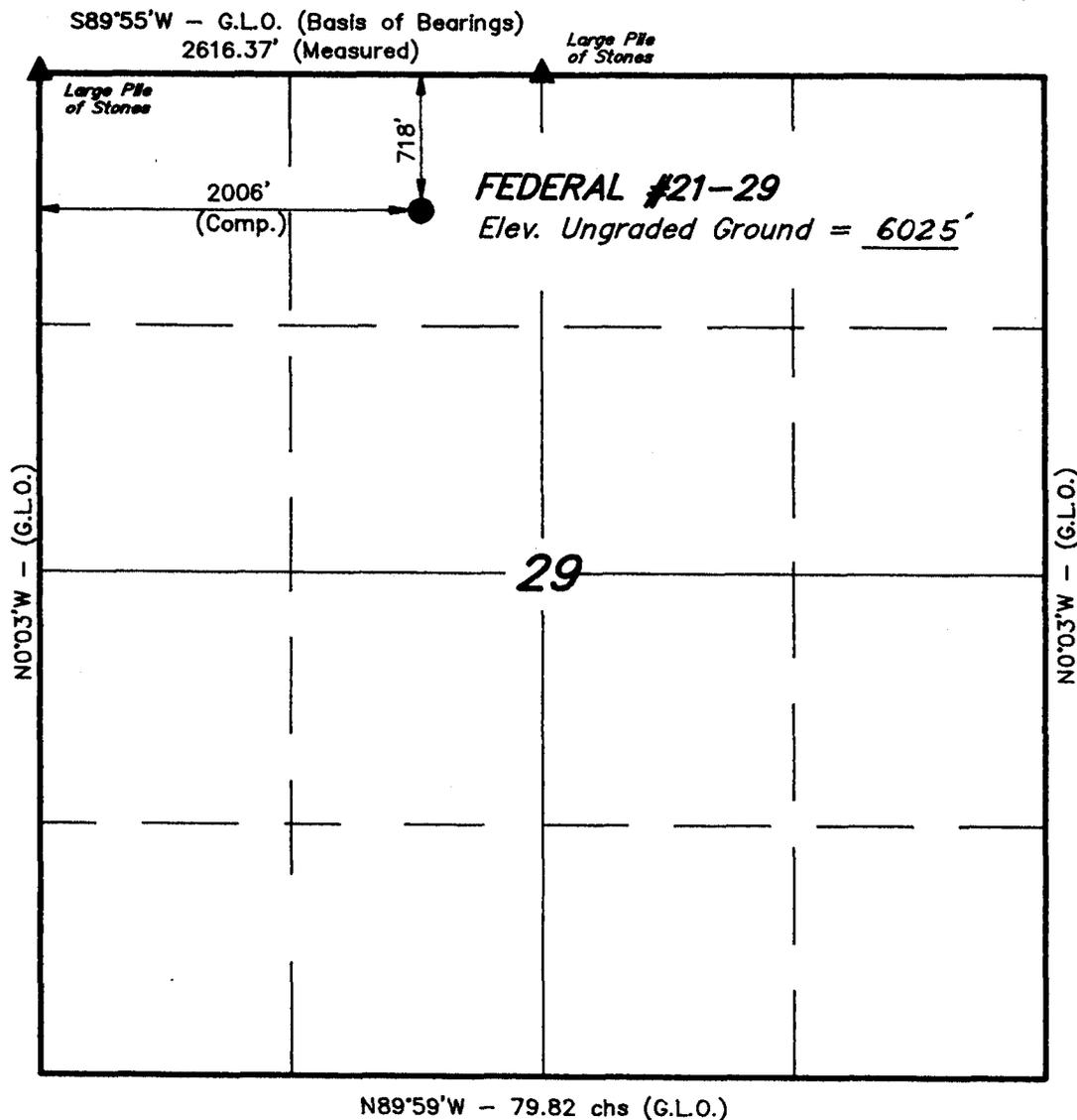
DATE: 8-28-90
 BY: [Signature]

*See Instructions On Reverse Side WELL SPACING: R015-3-0

T10S, R17E, S.L.B.&M.

COCHRANE RESOURCES, INC.

Well location, FED. #21-29, located as shown in the NE 1/4 NW 1/4 of Section 29, T10S, R17E, S.L.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 29, T10S, R17E, S.L.B.&M. TAKEN FROM THE WILKEN RIDGE QUADRANGLE, UTAH - DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP). PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6210 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

Rev: 8-16-90

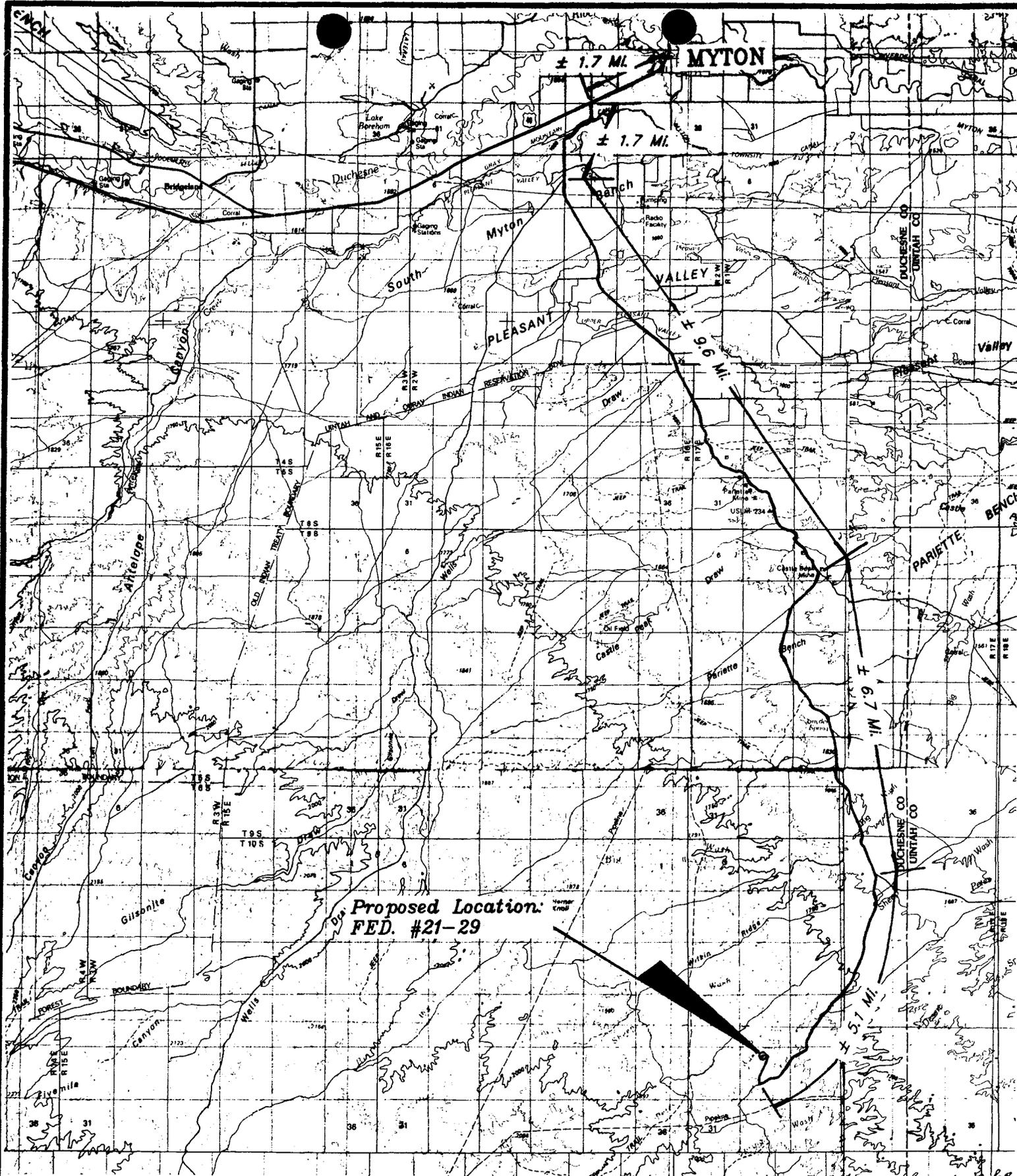
UINTAH ENGINEERING & LAND SURVEYING

P. O. BOX 1758 - 85 SOUTH - 200 EAST

VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 6-27-90
PARTY D.A. K.K. W.J.R.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE COCHRANE RESOURCES, INC.

▲ = SECTION CORNERS LOCATED.

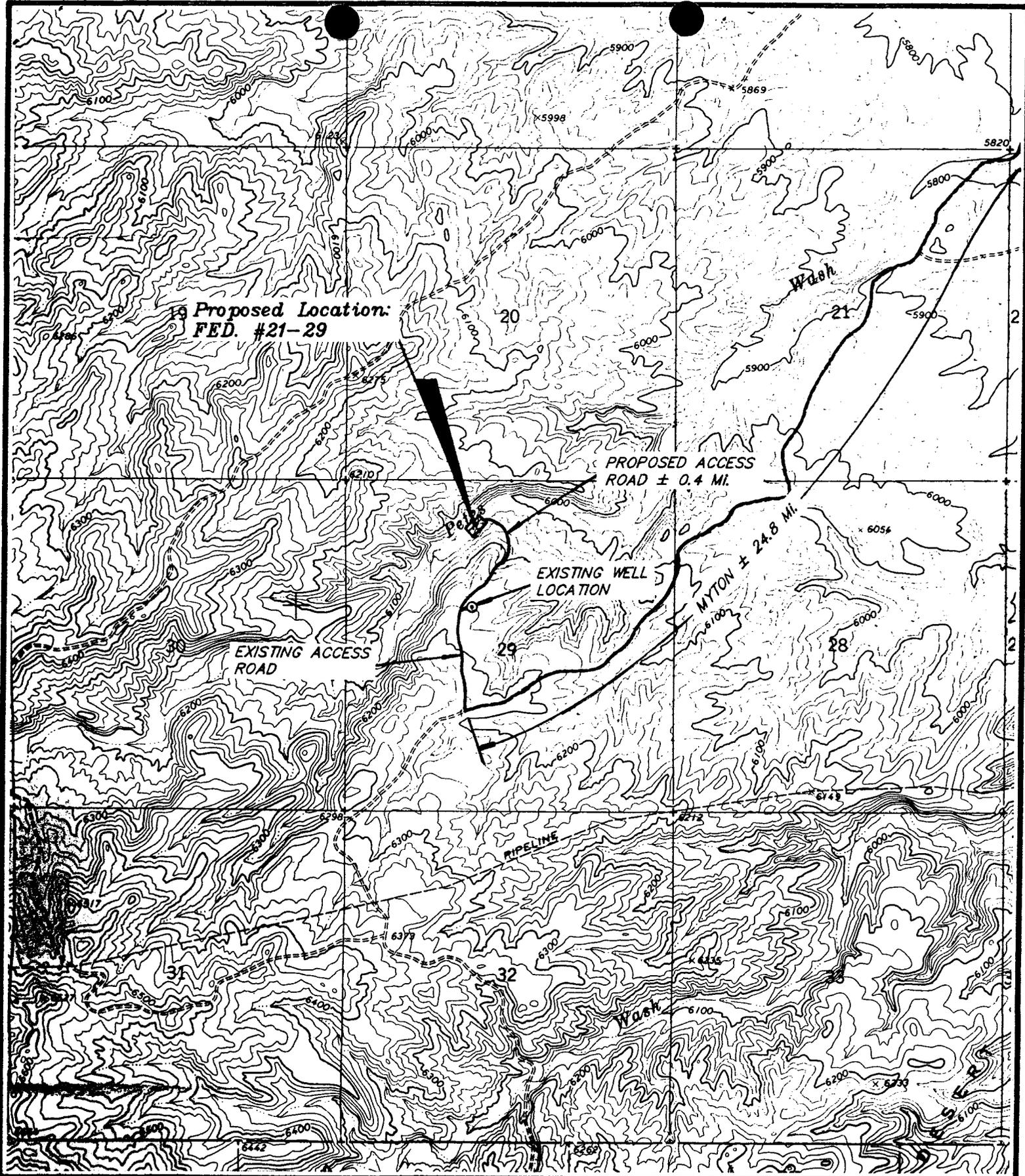


Proposed Location:
FED. #21-29

TOPOGRAPHIC
MAP "A"
DATE: 6-27-90



COCHRANE RESOURCES, INC.
FED. #21-29
SECTION 29, T10S, R17E, S.L.B.&M.



TOPOGRAPHIC

MAP "B"

SCALE: 1" = 2000'

DATE: 6-27-90

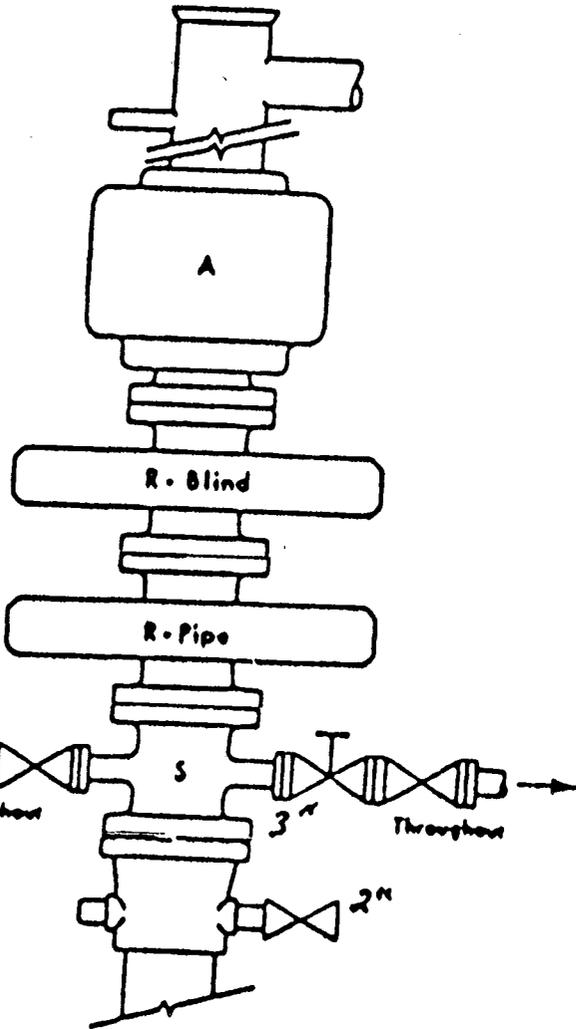


COCHRANE RESOURCES, INC.

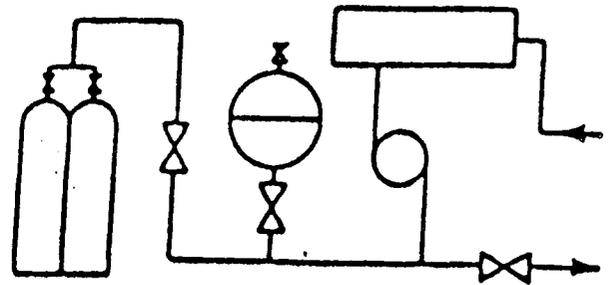
FED. #21-29

SECTION 29, T10S, R17E, S.L.B.&M.

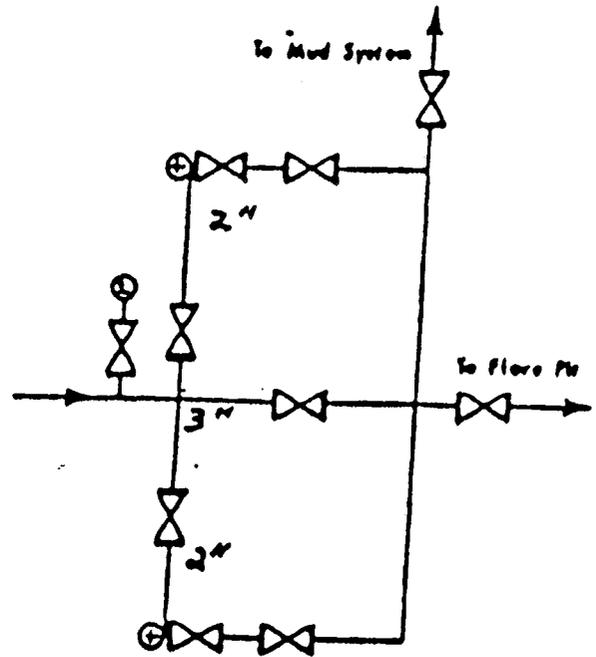
PRESSURE RATING
3,000 psi



BLOWOUT PREVENTION STACK



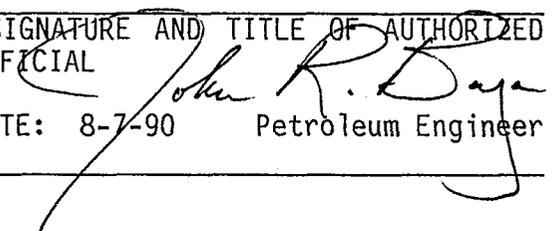
ACCUMULATOR SYSTEM



Flopped Connections Throughout
MANIFOLD SYSTEM

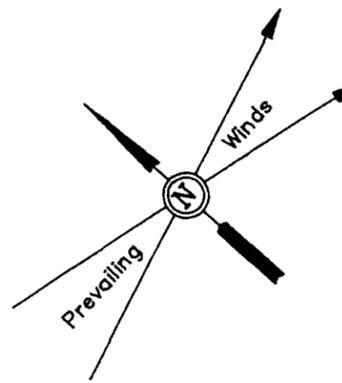
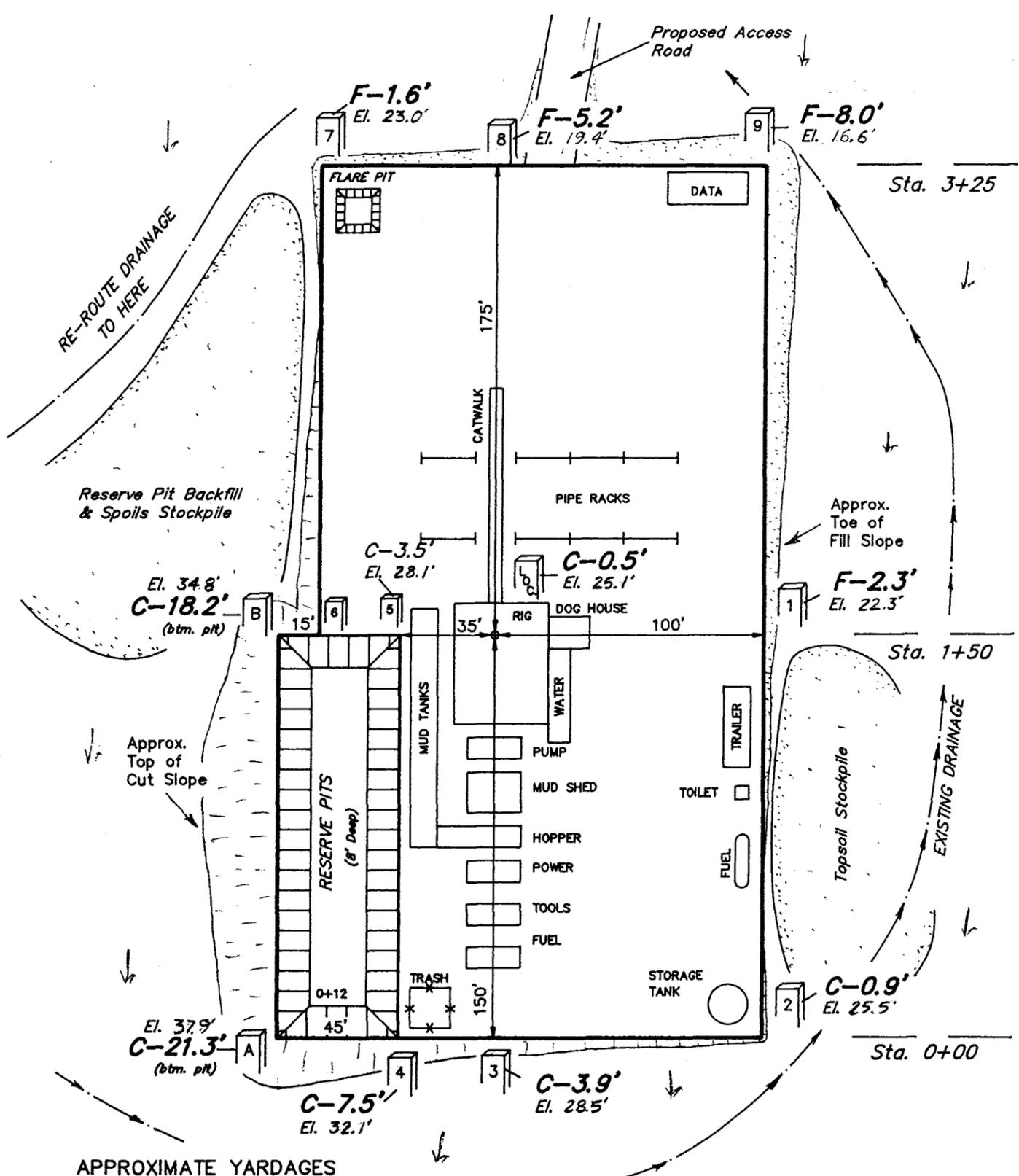
STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

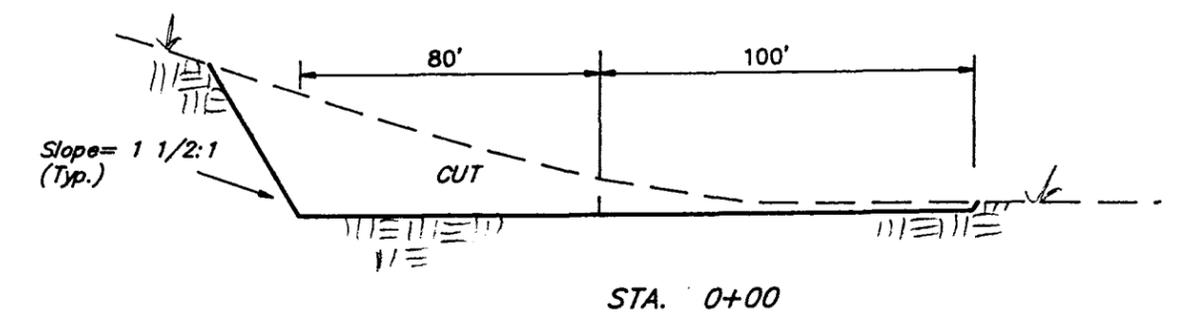
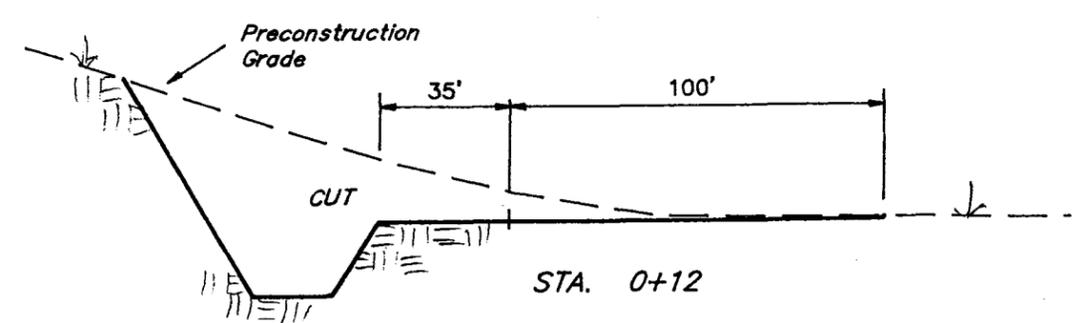
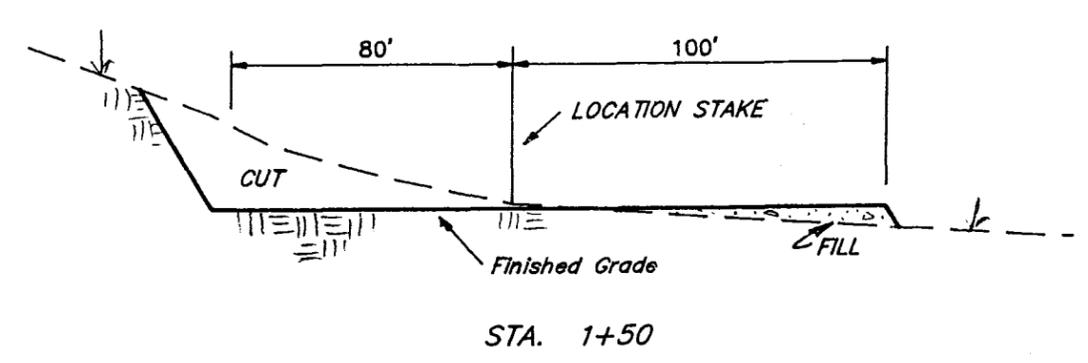
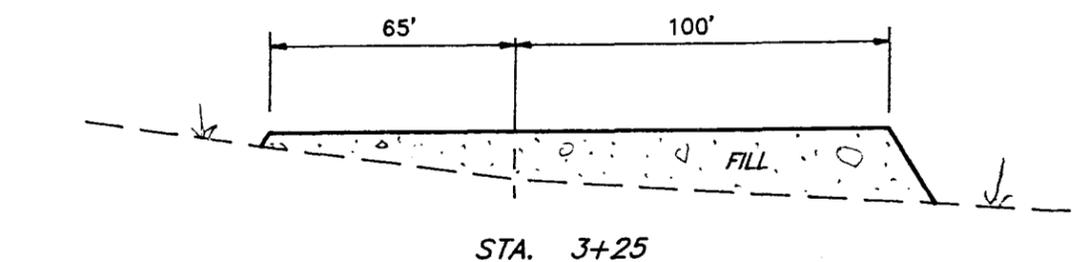
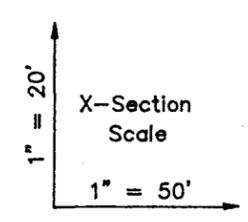
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
3. APPROXIMATE DATE PROJECT WILL START:
October 15, 1990
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Uintah Basin Association of Governments
5. TYPE OF ACTION: Lease Permit License Land Acquisition
 Land Sale Land Exchange Other _____
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
7. DESCRIPTION:
Cochrane Resources, Inc. proposes to drill a wildcat well, the Federal #21-29 on a federal lease number U-65632 in Duchesne County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S Bureau of Land Management is the primary administrative agency in this case and must issue approval to drill before operations can commence.
8. LAND AFFECTED (site location map required) (indicate county)
NE/4, NW/4, Section 29, Township 10 South, Range 17 East, Duchesne County, Utah
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
Unknown
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
No significant impacts are likely to occur
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
12. FOR FURTHER INFORMATION, CONTACT:
John Baza
PHONE: 538-5340
13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL

DATE: 8-7-90
Petroleum Engineer

WOI187

COCHRANE RESOURCES, INC.
 LOCATION LAYOUT FOR
 FEDERAL #21-29
 SECTION 29, T10S, R17E, S.L.B.&M.



SCALE: 1" = 50'
 DATE: 7-1-90
 Drawn By: J.R.S.
 Rev: 8-16-90



TYP. LOCATION LAYOUT
 TYP. CROSS SECTIONS

Elev. Ungraded Ground at Location Stake = 6025.1'
 Elev. Graded Ground at Location Stake = 6024.6'

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 1,040 Cu. Yds.
Pit Volume (Below Grade)	= 1,350 Cu. Yds.
Remaining Location	= 4,854 Cu. Yds.
TOTAL CUT	= 7,244 CU.YDS.
FILL	= 3,655 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 3,397 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,715 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 1,682 Cu. Yds.

OPERATOR Cochrane Resources Inc DATE 8-6-90

WELL NAME Redual 01-019

SEC NENW 019 T 10S R 17E COUNTY Duchess

43-013-31088
API NUMBER

Redual
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

1- Water Permit
ROCC 8-7-90

APPROVAL LETTER:

SPACING:

R615-2-3

N/A
UNIT

R615-3-2

N/A
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- Needs water permit

RECEIVED

AUG 17 1990

8-16-90

DIVISION OF
OIL, GAS & MINING

There was an error in the previous
plats dated 6-27-90 & 7-1-90.

Please replace those plats with revised
plats dated 8-16-90.

Thank You

U.E.L.S.

OIL AND GAS	
DFN	RIF
JPB	GHH
DIS	SIS
L-TAS	
MICROFILM	

42 SHEETS 3 SQUARE
42 SHEETS 4 SQUARE
42 SHEETS 5 SQUARE
42 SHEETS 6 SQUARE





State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

August 28, 1990

Cochrane Resources, Inc.
P. O. Box 1656
Roosevelt, Utah 84066

Gentlemen:

Re: Federal 21-29 - NE NW Sec. 29, T. 10S, R. 17E - Duchesne County, Utah
718' FNL, 2006' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

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

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Cochrane Resources, Inc.
Federal 21-29
August 28, 1990

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. 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 43-013-31288.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
WE14/1-12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

U-65632

6. IF INDIAN, ALLOTTEE OR TBIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

21-29

10. FIELD AND POOL, OR WILDCAT

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

Sec 29, T10S, R17E SM

12. COUNTY OR PARISH 13. STATE

Duchesne Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

18. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Cochrane Resources, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 1656 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any regulations required)

2006' FWL 718' FNL NENW
At proposed prod. zone

43-013-31288

DIVISION OF
OIL, GAS & MINING

RECEIVED
SEP 04 1990

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

22 Miles South West From Myton, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

718'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

19. PROPOSED DEPTH

5100'

20. ROTARY OR CABLE TOOLS

Rotary

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

5767' G.R.

22. APPROX. DATE WORK WILL START*

October 15, 1990

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 3/4"	8 5/8"	J-55 24# STC	8rd 200' New	to surface
7 7/8"	5 1/2"	J-55 15.5# 475	5100' New	as required

T.D. on this well will be 5100' in the Green River Formation.

See:

- 8 Point Compliance Program
- 13 Point Surface Use Plan
- B.O.P. Diagram
- Plat of Location
- Cut and Fill Sheets
- Topographic Map

OIL AND GAS

OPEN

OFF

DIS

SLS

MICROFILM

RECEIVED
AUG 30 1990
12345678910111213141516171819202122232425262728293031-12345678910111213141516171819202122232425262728293031

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 Small TITLE President DATE July 31, 1990

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Steve R. Klavage TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE 8-30-90
CONDITIONS OF APPROVAL, IF ANY:

UT080-0M48

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Cochrane Resources, Inc. Well No. 21-29
Location NE/NW Sec. 29 T10S R17E Lease No. U-65632

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc. and individual components shall be operable as designed.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

Useable water may be encountered from +60-465 ft. and +2561-2836 ft. in the Uinta formation. The Mahogany oil shale and L1 oil shale have been identified from +1506-1596 ft. and +1673-1731 ft., respectively. Therefore, as a minimum, the resources shall be isolated and/or protected via the cementing program for the production casing by having a cement top for the production casing at least 200 ft. above the oil shale.

4. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) for the intermediate and production casing.

5. Notifications of Operations

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

6. Other Information

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hour approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

FAX Phone Number is: 789-3634

Revised October 1, 1985

Date NOS Received 6/27/90

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator Cochrane Resources, Inc.
Well Name & Number 21-29
Lease Number U-65632
Location NE 1/4 NW 1/4 Sec. 29 T.10S R.17E
Surface Ownership Federal

B. Thirteen Point Surface Use Program

1. Other Additional Information

In order to keep the well pad from being flooded from localized drainages, two small check dams with spillways will be installed in the drainages where flagged, immediately northward from the location. The above are in addition to the two larger check dams, upstream of the location (west) discussed on Page 6 of the 13 point surface use plan.

DIVISION OF OIL, GAS AND MINING

API NO. 43-013-31288 DCL

SPUDDING INFORMATION

NAME OF COMPANY: COCHRANE RESOURCES, INC.

WELL NAME: FEDERAL 21-29

SECTION NEW 29 TOWNSHIP 10S RANGE 17E COUNTY DUCHESNE

DRILLING CONTRACTOR EXETER

RIG # 7

SPUDDED: DATE 9-12-90

TIME 1:00 p.m.

How ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY KEN ALLEN

TELEPHONE # _____

OIL AND GAS	
DFN	RJF
JRB	GLH
DUS	SLS
1-TAS	✓
0-JLT	✓
3-MICROFILM	✓
4	FILE

DATE 9-14-90 SIGNED TAS TAKEN BY JRB

COCHRANE RESOURCES, INC.

Engineering
Wellsite Supervision
Lease Operating

P.O. Box 1656
Roosevelt, Utah 84066
Phone (801) 722-5081

RECEIVED
SEP 14 1990

September 13, 1990

DIVISION OF
OIL, GAS & MINING

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Cochrane Federal 21-29
Sec 29, T10S, R17E

43-013-31288 DRL

Dear Sir:

The subject well was spudded September 12, 1990 at 1:00 pm. An air rig will be used to drill 200' of 12 1/4" hole and 8 5/8" csg will be run and cemented to surface.

Yours truly,

Ken Allen

Ken Allen

OIL AND GAS	
DFN	RJF
JPB	GLH
DIS	SLS
1-TAS	
2-LCR	
3-	MICROFILM ✓
4	FILE

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

9-28-90

COMPANY: Cochrane Resources Inc COMPANY MAN: Ken Allen

WELL NAME: Federal 21-29 API #: 43-013-31288

QTR/QTR: NE NW SECTION: 29 TWP: 10 S RANGE: 17 E

CONTRACTOR: Exeter 7 PUSHER/DRLR: Doug Brivolds

INSPECTOR: JLB/JWH DATE: 9-26-90 OPERATIONS: running 5/2" production csg

SPUD DATE: 9-12-90 TOTAL DEPTH: 5009

DRILLING AND COMPLETIONS

APD WELL SIGN BOPE RESERVE PIT
 FLARE PIT BURN PIT H2S BLOOIE LINE
 SANITATION HOUSEKEEPING VENTED/FLARED

PLUGGING AND ABANDONMENT

PRODUCING FM(S): _____

PLUGS:	TYPE/SIZE	INTERVAL

PERFORATIONS: _____

CASING SIZE: _____ PULLED: YES / NO CUT AT: _____

PLUGS TESTED: _____ HOW: _____ WOC: _____

MARKER: _____ SURFACE: _____ PLATE: _____

RECLAMATION:

CONTOURED: _____ RIPPED: _____ REHAB'D: _____

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS: _____

DRILLING AND WELL PLUGGING INSPECTION FORM



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 3, 1990

Cochrane Resources, Inc.
P. O. Box 1656
Roosevelt, Utah 84066

Gentlemen:

Re: Request for Completed Entity Action Form

This is written to remind you that all well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of spudding a new well. This office was notified that your company spudded the Federal 21-29, API Number 43-013-31288, on September 12, 1990. At this time, we have not received an Entity Action Form for this well.

Please review the instructions on the back of the enclosed form. Make sure you choose the proper Action Code to show whether the well will be a single well with its own sales facilities (Code A), a well being added to an existing group of wells having the same tank battery and common division of royalty interest (Code B - show existing Entity Number to which well should be added), or a well being drilled in the participating area of a properly designated unit (Code B). Complete the form and return it to us by October 12, 1990.

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

Sincerely,

Don Staley
Administrative Supervisor

lcr
Enclosure
cc: R. J. Firth
0682S-1

OPERATOR Cochrane Resources Inc.

OPERATOR ACCT. NO. N 7015

ADDRESS P.O. Box 1656
Roosevelt Utah 84061

ACTION CODE	DIVISION OF OIL AND GAS REVENUE		API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
	CURRENT ENTITY NO.	NEW ENTITY NO.			QQ	SC	TP	RG	COUNTY		
A	99999	11119	43-013-31288	Cochrane Fed 21-29	NE	29	105	17E	Duchesne	9-12-90	
WELL 1 COMMENTS: Federal - Lease Proposed Zone - BRPV Field - Wildcat Unit - N/A											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

OIL AND GAS	
DFN	RJF
JTB	GLH
DVS	SLS
<i>WLCR</i>	
2 - MICROFILM	<input checked="" type="checkbox"/>
3 - FILE	<input checked="" type="checkbox"/>

ACTION CODES (See instructions on back of form)

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

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

Smallin
Signature

President Oct 8 - 90
Title Date

Phone No. (801) 722-5081

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

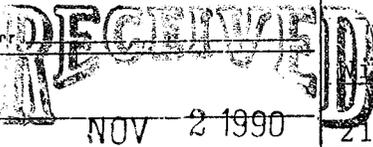
1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. REVR Other _____

2. NAME OF OPERATOR
Cochrane Resources, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 1656 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
At top prod. interval reported below
At total depth



43-013-31288

14. PERMIT NO. UT080-0M48 DATE ISSUED 8/30/90

5. LEASE DESIGNATION AND SERIAL NO.

U-65632

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Federal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Milkens Ridge

9. WELL NO.

21-29

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA

Sec 29, T10S, R17E

12. COUNTY OR PARISH Duchesne

13. STATE Utah

15. DATE SPUDDED 9/12/90 16. DATE T.D. REACHED 9/24/90 17. DATE COMPL. (Ready to prod.) 10/16/90 18. ELEVATIONS (DP, RKB, RT, GB, ETC.)* 6025' G.R. 19. ELEV. CASINGHEAD 6025'

20. TOTAL DEPTH, MD & TVD 5009' 21. PLUG. BACK T.D., MD & TVD 4059' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS 0 - 5009 CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* 4828' - 4837' GRRV 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN FDC - CNI TD - 2150' / DLL -MSFL TD - 200' 12-26-90 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	208	12 1/4"	cemented to surface	
5 1/2"	15.5 & 17	5009	7 7/8"	350 sks lite, 200 sks class G	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	4858'	

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

PERFORATION RECORD	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
4828' - 4837', 4 shots per ft.	DEPTH INTERVAL (MD) 4028'-4837' AMOUNT AND KIND OF MATERIAL USED 200 gals 7 1/2% Hcl, 40 balls 34,000 # 16.3 frac sand in gelled 2% Kcl.

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
10/17/90	Pumping	Producing					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10/25/90	24			45	15	0	333
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
			45	15	0	37.2	

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

35. LIST OF ATTACHMENTS

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

SIGNED [Signature] TITLE President DATE November 1, 1990

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

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.

Formation	Top	Bottom	Description, contents, etc.	38. GEOLOGIC MARKERS		
				Name	Meas. Depth	Top True Vert. Depth
Green River	674		No DSTs	Parachute Cr.	1690'	
Wasatch	4970			Green Shale Facies	3960'	
				Black Shale Facies	4300'	
				Wasatch Tongue	4474'	
				Basal Limestone	4778'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved,
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-65632

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Federal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Milkens Ridge

9. WELL NO.

21-29

10. FIELD AND POOL, OR WILDCAT

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

Sec 29, T10S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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 _____

2. NAME OF OPERATOR
Cochrane Resources, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 1656 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface

At top prod. interval reported below

At total depth

14. PERMIT NO. UT060-0M48
DATE ISSUED 8/30/90

5. DATE SPUDDED 9/12/90
16. DATE T.D. REACHED 9/24/90
17. DATE COMPL. (Ready to prod.) 10/16/90

18. ELEVATION(S) (DP, RKB, RT, GR, ETC.)* 6025' G.R.
19. ELEV. CASINGHEAD 6025'

20. TOTAL DEPTH, MD & TVD 5009'
21. PLUG BACK T.D., MD & TVD 4059'

23. INTERVALS DRILLED BY ROTARY TOOLS 10 - 5009
CABLE TOOLS

4. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4828' - 4837' GRRV

25. WAS DIRECTIONAL SURVEY MADE
No

6. TYPE ELECTRIC AND OTHER LOGS RUN
FDC - CNL TD - 2150' / DLL -MSFL TD - 200'

27. WAS WELL COBED
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	208	12 1/4"	cemented to surface	
5 1/2"	15.5 & 17	5009	7 7/8"	350 sks lite, 200 sks class G	

9. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	4858'	

1. PERFORATION RECORD (Interval, size and number)
4828' - 4837', 4 shots per ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4028' - 4837'	200 gals 7 1/2% Hcl, 40 balls 34,000 # 16.30 frac sand in gelled 2% Kcl.

3. PRODUCTION
DATE FIRST PRODUCTION 10/17/90
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping
WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 10/25/90
HOURS TESTED 24
CHOKED SIZE
PROD'N. FOR TEST PERIOD
OIL—BBL. 45
GAS—MCF. 15
WATER—BBL. 0
GAS-OIL RATIO 333

LOW. TUBING PRESS. CABING PRESSURE CALCULATED 24-HOUR RATE
OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
0 37.2

4. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel
TEST WITNESSED BY Ken Allen

5. LIST OF ATTACHMENTS

6. I hereby certify that the foregoing and attached information is correct as determined from all available records
SIGNED [Signature] TITLE President DATE November 1, 1990

*(See Instructions on Reverse Side)

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, conditions used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Basal Limestone	4829'	4837'	Porosity 18% Rt 105 Ohms SW - 20% (estimated)	Green River Parachute Cr. Base of Oil Shale Green Shale Facies Black Shale Facies Wasatch Tongue Basal Limestone Wasatch Fm.	1690' 2220' 3960' 4300' 4474' 4778' 4970'	

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*

(See other In-
structions on
Reverse)

Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. ENVR. Other Reperf

2. NAME OF OPERATOR
Cochrane Resources, Inc.

3. ADDRESS OF OPERATOR
PO Bos 1656, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location of well in accordance with any State requirements)*
At surface

At top prod. interval reported to _____

At total depth _____

**RECEIVED
FEB 07 2003
DIV. OF OIL, GAS & MINING**

14. PERMIT NO. 43 | DATE ISSUED 8/30/90
14-013-31288

5. LEASE DESIGNATION AND SERIAL NO.
U-65632

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Federal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Wilkens Ridge

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
21-29

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA
Sec 29, T10S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

15. DATE SPUDDED 9/12/90 | 16. DATE T.D. REACHED 9/24/90 | 17. DATE COMPL. (Ready to prod.) 1/16/03 | 18. ELEVATION (OF, RKB, RT, GR, ETC.)* 6025 G.R. | 19. ELEV. CASINGHEAD 6025

20. TOTAL DEPTH, MD & TVD 5009 | 21. PLUG BACK T.D., MD & TVD 4985 | 22. IF MULTIPLE COMPL., HOW MANY* _____ | 23. INTERVALS DRILLED BY ROTARY TOOLS 0-5009 | CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4825 - 4837 Original | 4955 - 4964 Re-Completion | 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
FDC - CNL TD to 2150 | DLL - MSFL TD to 200' | 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>8/58</u>	<u>24</u>	<u>208</u>	<u>12 1/4</u>	<u>Cement to Surface</u>	
<u>5 1/2</u>	<u>15.5 + 17</u>	<u>5009</u>	<u>7 7/8</u>	<u>350 sks lite-200 sks claws G</u>	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>2 7/8"</u>	<u>4965'</u>	

31. PERFORATION RECORD (Interval, size and number)

<u>4848 - 4837</u>	<u>4</u>	<u>SPF-original</u>
<u>4955 - 4964</u>	<u>4</u>	<u>SPF-ReCompletion</u>

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>4828-4837</u>	<u>34,000 # Sand Frac</u>
<u>4955-4964</u>	<u>25,000 # Sand Frac</u>

33.* PRODUCTION

DATE FIRST PRODUCTION 1/16/03 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping | WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>2/1/03</u>	<u>24</u>		→	<u>20</u>	<u>8</u>	<u>0</u>	<u>400</u>

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
		→	<u>20</u>	<u>8</u>	<u>0</u>	<u>35.0</u>

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

35. LIST OF ATTACHMENTS

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

SIGNED [Signature] | TITLE President | DATE February 5, 2003

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

8 POINT COMPLIANCE PROGRAM

WELL NAME: Cochran Resources Federal 21-29

LOCATION: N.E. of N.W. Sec. 29, T10S, R17E. S.L.M.

LEASE NO.: U-65632

ONSITE INSPECTION Date: 7/13/90

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

Well will spud in the Uintah Formation.
Green River at 800'.
Wasatch at 5100'.

2. Estimated Depth at Which Oil, Gas, Water or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>FORMATION</u>	<u>ZONE</u>
Expected oil zones"	<u>Green River</u>	<u>3500' - 5100'</u>
Expected gas zones:	<u>Green River</u>	<u>3500' - 5100'</u>
Expected water zones:	<u>Upper Green River</u>	<u>0' - 5100'</u>
Expected mineral zones:	<u>None</u>	

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

The rig will be equipped with 10", 3000 PSI, double ram B.O.P.'s with a 10", 3000 psi annular type B.O.P. Pipe rams and blind rams will be tested to 2000 PSI, and the annular B.O.P. will be tested to 1500 PSI before drilling out from surface casing. Pipe rams will be operationally checked each day, and blind rams every trip out of the hole. Accessories to B.O.P.'s include Kelly Cock, Floor Safety valve, and choke manifold of equivalent pressure rating. B.O.P. systems will be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection will be recorded on a daily drilling report.

Preventer will be pressure tested before drilling casing cement plugs and recorded on the daily drilling report.

The District Office should be notified with sufficient lead time, in order to have a BLM representative on location during pressure testing.

4. Casing Program and Auxiliary Equipment:

200' of 8 5/8", 24#/ft. casing will be set and cemented to surface. If the well is productive 5 1/2", 15.5#/ft. casing will be set from surface to T.D. Cement program will be determined at that time.

Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

5. Mud Program and Circulating Medium:

0' - 4500' Drill with fresh water.

4500'-T.D. Drill with 2% KCL water.

No chromate additives will be used in the mud system on Federal and Indian Lands without prior approval to ensure adequate protection of fresh water aquifers.

6. Coring, Logging and Testing Program:

No cores or drill stem tests will be taken. Open hole logs will be DLL with Gamma Ray and Micro SFL from T.D. to 3000'. FDC and CNL from T.D. to 4000'. Mud log from 3000' to T.D.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by authorized officer. (AO).

7. Abnormal Conditions, Bottom Hole Pressure and Potential Hazards:

No abnormal conditions or potential hazards are anticipated. Expected bottom hole pressure is 1800 PSI.

8. Anticipated Starting Dates and Notifications of Operations:Location Construction: October 15, 1990Spud Date: October 20, 1990

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No.1, this will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into lined pits for a period of up to 90 days. During the period so authorized, an application for approval of the disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, leasees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 days or authorized period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas order No.1, leasees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to the operations on Federal or Indian lands.