

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
USA 44822

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Cedar

9. WELL NO.
No. 1

10. FIELD AND POOL, OR WILDCAT
Cedar Prospect *Undesignated*

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
34-37S-25E S.L.M.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
643' FEL, 2108' FSL, NE SE
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
34 miles SE of Monticello, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
643'

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
-

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

19. PROPOSED DEPTH
5910' *Akah*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5461' GR

22. APPROX. DATE WORK WILL START*
October 20, 1988

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	13-3/8" or			
17-1/2	14" or 16"	48	40'	24 cubic feet of Class G cement.
12-1/4	9-5/8"	36	1650'	613 cubic feet of light weight cement followed by 266 cubic feet of Class G cement with 3% CaCl and 1/4 pound/sack flocele.
7-7/8	5-1/2"	15.5	5910'	430 cubic feet of 50-50 Pozmix cement with 2% gel, water loss/dispersant additive and 1/4 pound/sack flocele.

SEE ATTACHED DRILLING PLAN FOR DETAILS.

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 *Lee Mantie* TITLE Drilling Superintendent DATE 9/19/88

(This space for Federal or State office use)

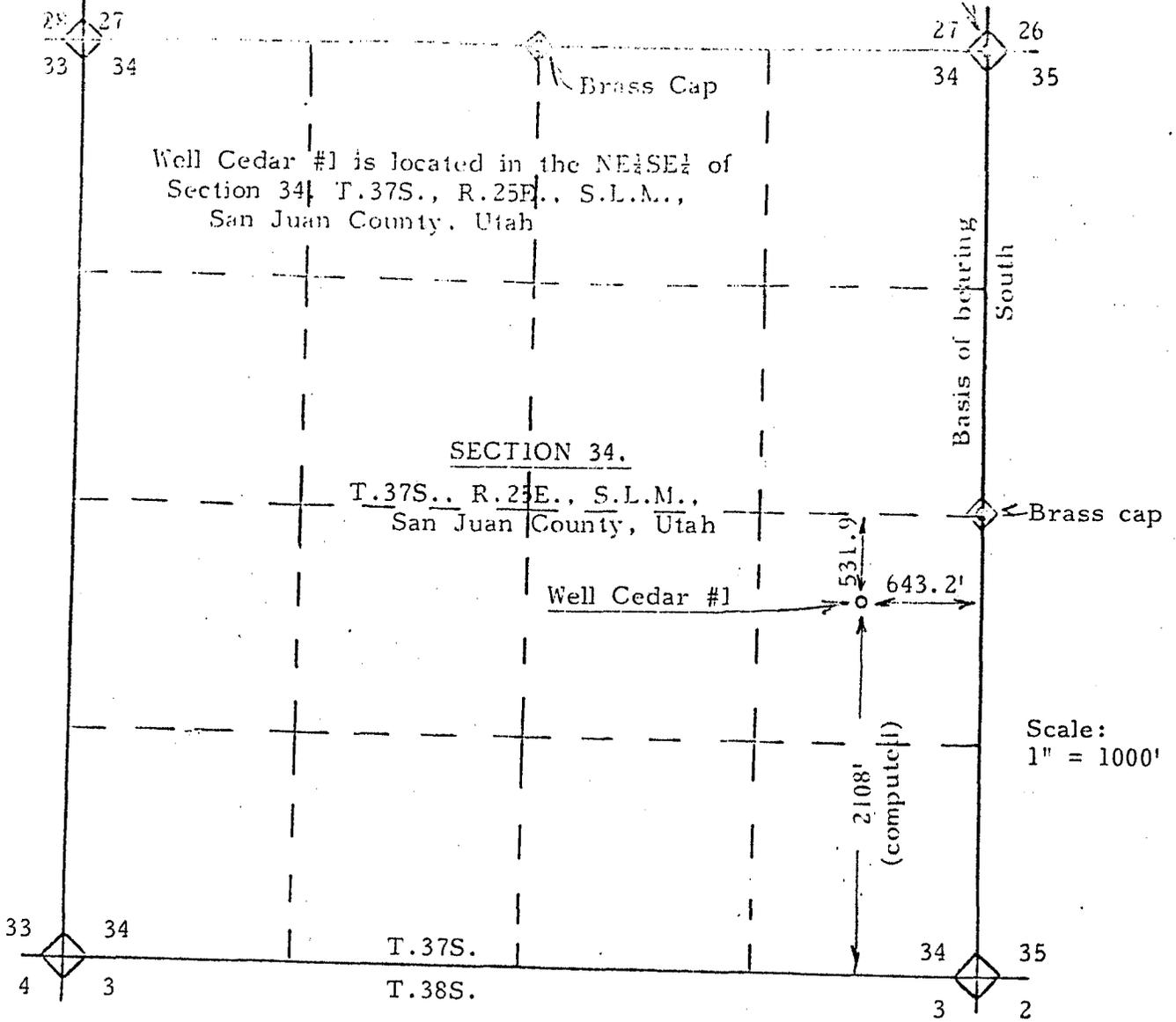
PERMIT NO. 43-037-31455 APPROVAL DATE _____

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

APPROVED BY _____ TITLE _____ DATE 9-27-88

CONDITIONS OF APPROVAL, IF ANY: _____ BY: *John R. Duff*
WELL SPACING: RL15-3-2

*See Instructions On Reverse Side

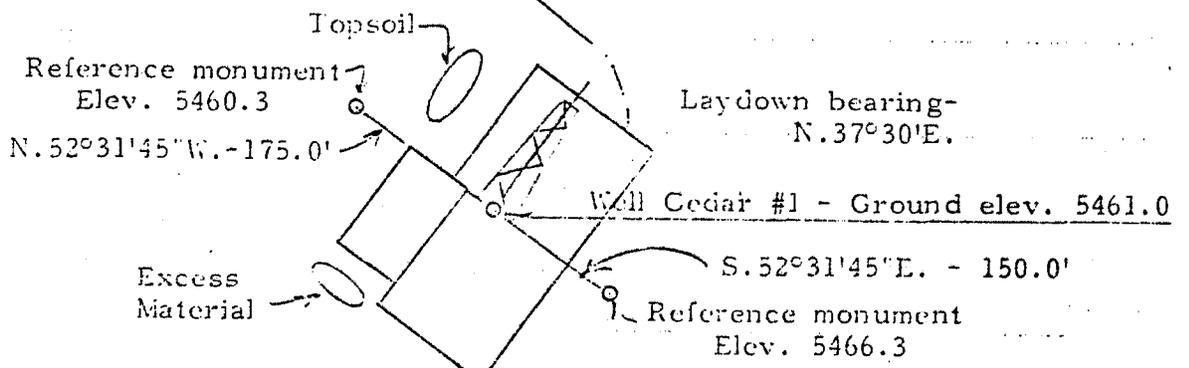


County Road

Soil: Gray, sandy.
Vegetation: Sparse brush, native grasses.

C/L proposed access road-
800'± length

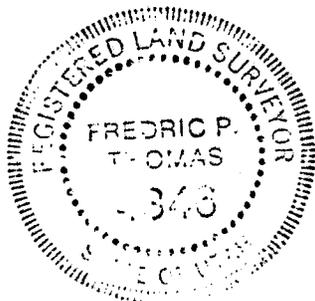
Elevation datum is USGS
quad elevation shown for
the NE Cor. of Sec. 34-
Elev. 5594.



KNOW ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
do hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas

FREDRIC P. THOMAS
F.P.S. and S.E.
C.O.S. Reg. No. 6728
P.O. Box 4310



[THOMAS] Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

DRILLING PLAN
Celsius Energy Company
Cedar Well No. 1
San Juan County, Utah

1. SURFACE FORMATION AND ESTIMATED FORMATION TOPS:

Morrison	-	Surface
Entrada	-	725'
Carmel	-	885'
Navajo	-	905'
Chinle	-	1605'
Shinarump	-	2405'
Cutler	-	2550'
Honaker Trail	-	4430'
Paradox	-	4975'
Ismay	-	5520'
Ismay Shale	-	5655'
Lower Ismay	-	5700'
"B" Zone Shale	-	5745'
Desert Creek	-	5765'
Desert Creek Porosity	-	5825'
Chimney Rock Shale	-	5865'
Akah	-	5885'
Salt	-	5905'
Total Depth	-	5910'

2. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER, OR OTHER MINERAL-BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Oil Zones: Ismay formation, 5520 feet
Desert Creek Porosity, 5825 feet

Expected Gas Zones: N/A

Expected Water Zones: Possible in Cutler, 2550 feet

Expected Mineral Zones: Morrison (coal), Surface
Shinarump (coal), 2405 feet
Salt (halite), 5905 feet

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

3. PRESSURE CONTROL EQUIPMENT: (See attached diagram)
Operator's minimum specifications for pressure control equipment requires an 11-inch 3000 psi double gate hydraulically operated blowout preventer and an 11-inch 3000 psi annular preventer. Annular preventer will be tested to

1500 psi for 15 minutes and surface casing to 1000 psi for 15 minutes. NOTE: The surface casing will be pressure tested to a minimum of 1000 psi; or one psi per foot; or 70 percent of the internal yield of the casing, whichever is applicable. BOP's will be checked daily as to mechanical operating condition and will be tested by rig equipment after each string of casing is run. All ram type preventers will have hand wheels which will be operative at the time the preventers are installed.

Pressure tests will be conducted before drilling out from under all casing strings which are 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 ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

4. CASING PROGRAM:

<u>Footage</u>	<u>Size</u>	<u>Grade</u>	<u>Wt.</u>	<u>Condition</u>	<u>Thread</u>	<u>Cement</u>
40'	13-3/8 or 14 Line or 16 Pipe		48	Used	-	24 cubic feet Class G cement.
1650'	9-5/8	K-55	36	New	8 rd ST&C	613 cubic feet of light weight cement followed by 266 cubic feet of Class G cement with 3-percent CaCl and 1/4 pound/sack flocele.
5910'	5-1/2	K-55	15.5	New	8 rd LT&C	430 cubic feet of 50-50 Pozmix cement with 2-percent gel, water loss/dispersant additive and 1/4 pound/sack flocele.

AUXILIARY EQUIPMENT:

- a) Manually operated kelly cock
- b) No floats at bit
- c) Monitoring of mud system will be visual
- d) Full opening floor valve manually operated

5. MUD PROGRAM AND CIRCULATION MEDIUM: Fresh water will be used from surface to 4000 feet. From 4000 feet to 5750 feet mud will be LSND. From 5750 feet to TD mud weight will be brought up to 11.3 ppg weighted and dispersed.

6. LOGGING PROGRAM: CNL-FDC from total depth to 4200 feet.
DI-SFL from total depth to 4200 feet.
BHC from total depth to base of surface pipe (GR to surface).
- TESTING: One drill stem test in the Ismay formation.
One drill stem test in the Desert Creek Porosity.
- CORING: None.

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 to the District Office not later than thirty (3) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. 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 operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURES AND POTENTIAL HAZARDS: Desert Creek reservoirs in this area are over-pressured. Pressures of 3300-3400 psi are anticipated in the Desert Creek Porosity; a BHT of 130°F and a BHP of 2600 psi is expected.
8. ANTICIPATED STARTING DATES AND DURATION OF OPERATIONS: October 20, 1988, 18 days.

Required verbal notifications are summarized in Table I, attached. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM, Moab District Office, P. O. Box 970, Moab, Utah 84532.

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

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

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the 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 Area Manager or his representative, or the appropriate surface managing agency.

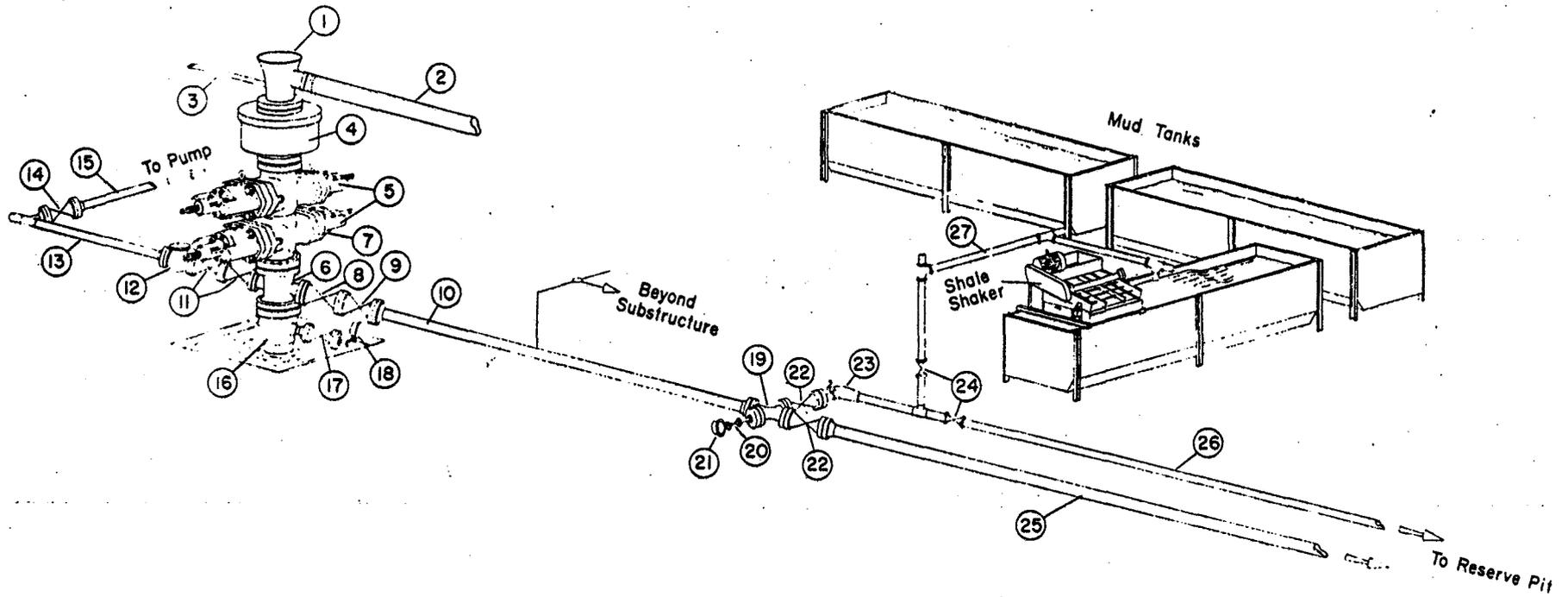
Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, an above ground regulation marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch:

"Fed" or "Ind" as applicable. "Well number, location by $\frac{1}{4}$ $\frac{1}{4}$ section, township and range." "Lease number."

CELSIUS/WEXPRO 3000 psi BLOWOUT PREVENTION EQUIPMENT



SURFACE USE PLAN
Celsius Energy Company
Cedar Well No. 1
San Juan County, Utah

1. Existing Roads:

- a. Location of proposed well: Refer to well location plat and area map. Wellsite is located approximately 34 miles southeast of Monticello, Utah.
- b. Proposed route to location: An existing Class B county road (Bug Point) provides access to the lease boundary.
- c. Plans for improvement and/or maintenance of existing roads: None
- d. Other: An encroachment permit will be obtained from the San Juan County Road Department.

2. Planned Access Roads:

- a. A proposed 800 foot access road will be constructed leading from the County road to the location and will be ditched and crowned with an 18 - 20 foot running surface. The maximum total disturbed width will be 30 feet.
- b. Maximum grades: N/A
- c. Turnouts: N/A
- d. Location (centerline): Location and access road has been staked and flagged and archaeological clearance has been obtained.
- e. Drainage: Low water crossing will be installed as needed.
- f. Surface Materials: None required for drilling.
- g. Other: N/A

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells:

Refer to area map for location of existing wells within a one mile radius.

4. Location of Tank Batteries and Production Facilities:

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within (6) six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. The color will be Juniper Green.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the largest tank in the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7-4 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and downstream for the remainder of the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from the water well at Wexpro's Patterson Unit No. 2.

A temporary water use permit for this operation will be obtained from the Utah State Engineer.

6. Source of Construction Material:

Pad construction material will be obtained from cuts along access road and location.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.1-3.

7. Methods of Handling Waste Disposal:

The reserve pit will not be lined and will be constructed with at least one half its holding capacity below ground level.

Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash will be contained in a trash cage, the contents of which will be disposed of in the nearest legal landfill.

If burning is required, a permit will be obtained from the State Fire Warden.

Produced waste water will be confined to an unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

8. Ancillary Facilities:

Camp facilities will not be required.

9. Well Site Layout:

Refer to drawing.

The top six inches of soil material will be removed from the location and stockpiled separately on the northwest side of the pit location.

Topsoil along the access road will be reserved in place adjacent to the road.

Access to the well pad: Refer to drawing.

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit will be completely dry.

All disturbed areas will be recontoured to the approximate natural contours.

Prior to reseeding, all disturbed areas, including the access roads, if applicable, will be scarified and left with a rough surface. Rips will be 6-inches deep and 18-inches apart.

Seed will be drilled between October 1, 1988 and February 28, 1989.

The following seed mixture will be used:

7 pounds/acre crested wheatgrass
3 pounds/acre Fourwing saltbush
1/2 pound/acre Yellow Sweetclover

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

11. Surface and Mineral Ownership:

Surface ownership along the access and at the wellsite is Federal.

12. Other Information:

Cultural resources as noted in the Class III Inventory will be encompassed by one strand of wire, steel posts and blue flagging.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices will be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.3-2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

The dirt contractor will be provided with an approved copy of the Surface Use Plan.

All persons in the area who are associated with the project will be informed by the holder/operator that they will be subject to prosecution for disturbing archaeological sites or paleontological sites, or collecting artifacts or fossils.

Any cultural and/or paleontological resource discovered by the holder/operator, or any person working on his behalf, on public or federal land shall be immediately reported to the authorized officer (BLM-San Juan Resource Area Office (801) 587-2141). The holder/operator shall immediately suspend all operations in the area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder/operator will be responsible for the cost of evaluation of the discovery and of any required mitigation measures. Any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder/operator and other affected parties.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer.

13. Lessee's or Operator's Representative and Certification:

Representative:

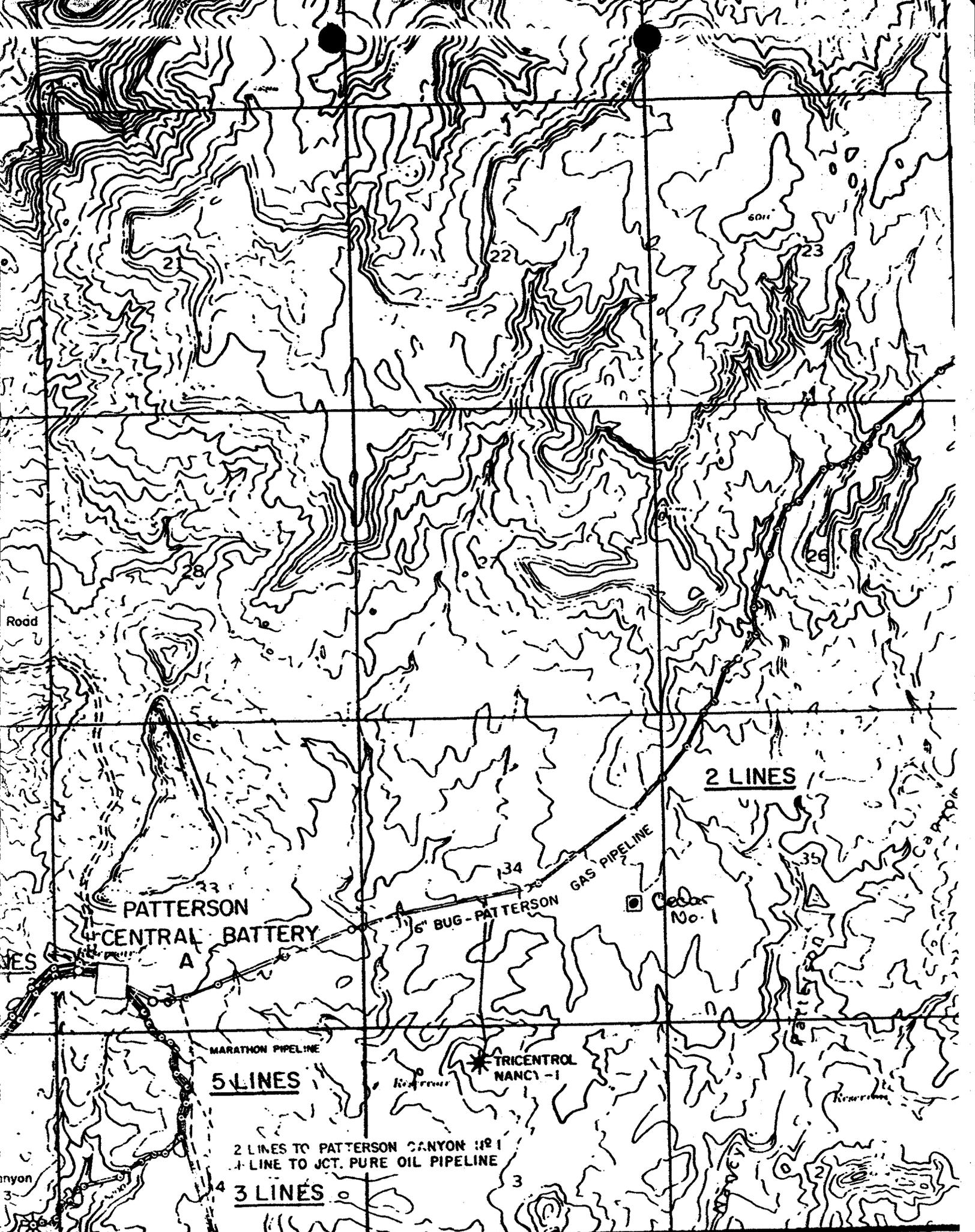
Name: Lee Martin, Drilling Superintendent
Address: P. O. Box 458, Rock Springs, Wyoming
82902
Telephone Number: (307) 382-9791

Certification:

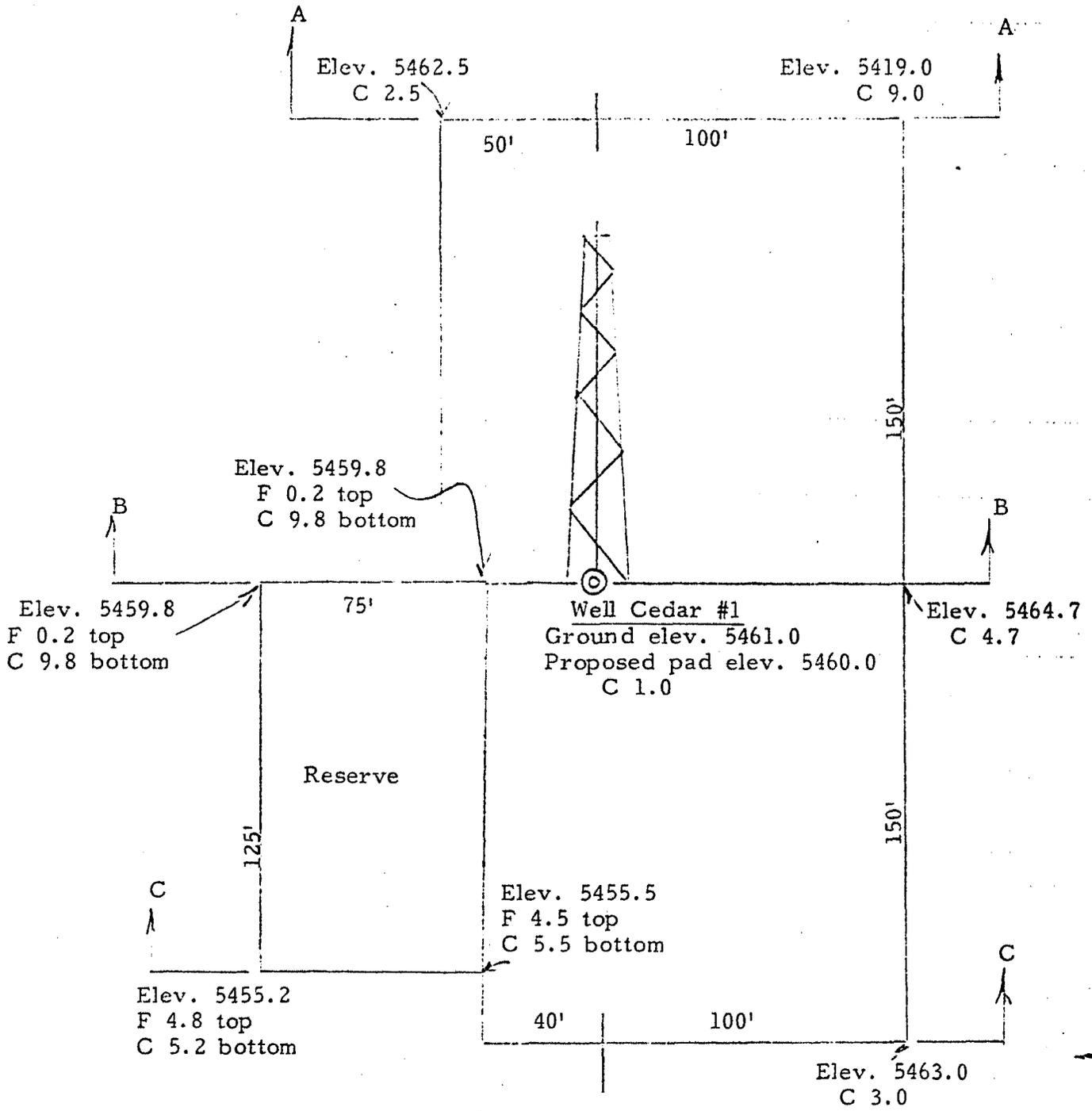
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which currently exist, that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with operations proposed herein will be performed by Celsius Energy Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Dated: September 15, 1988


L. E. Martin, Drilling Superintendent



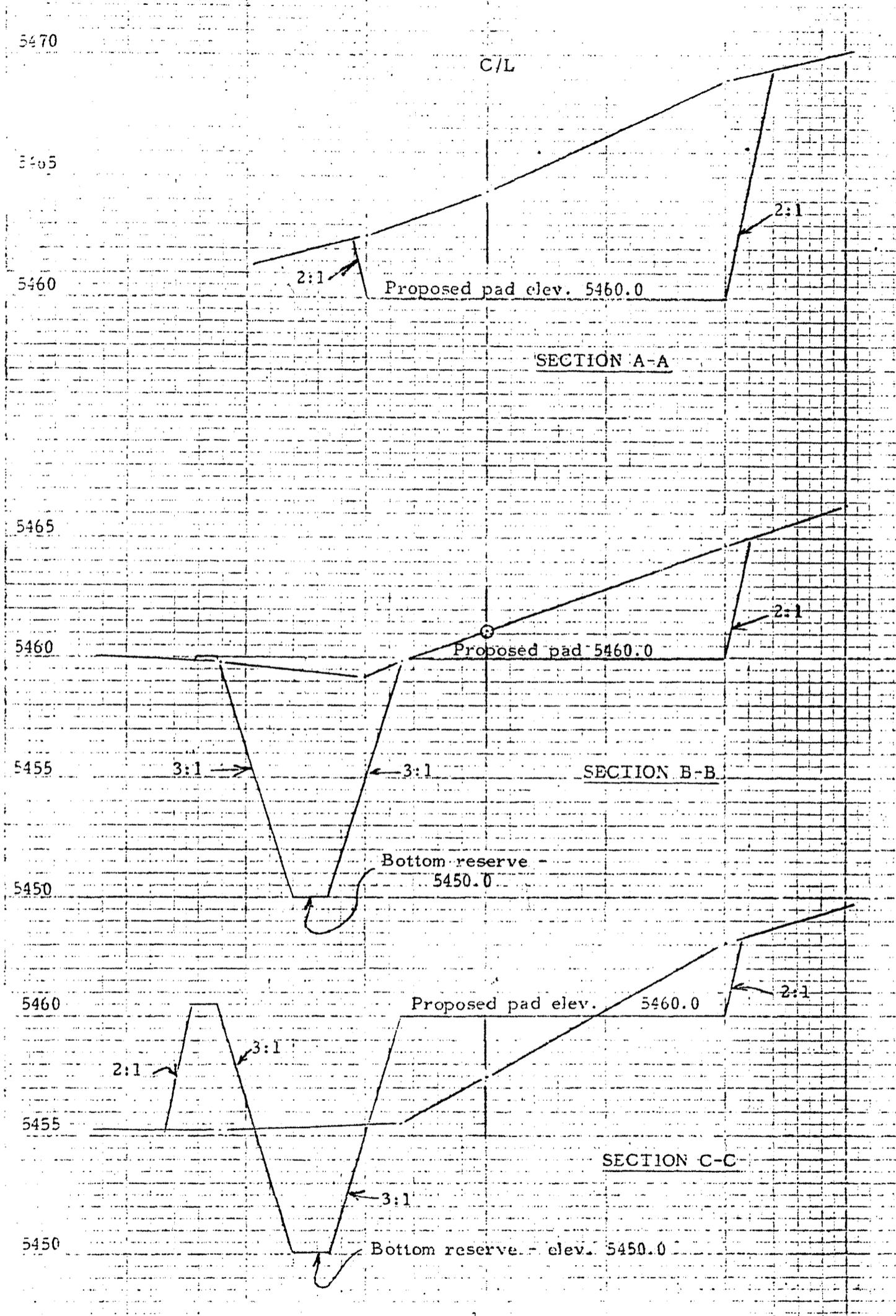
Cedar No. 1 NE, SE 34-37S-25E



Scale: 1" = 50'

THOMAS Engineering Inc.

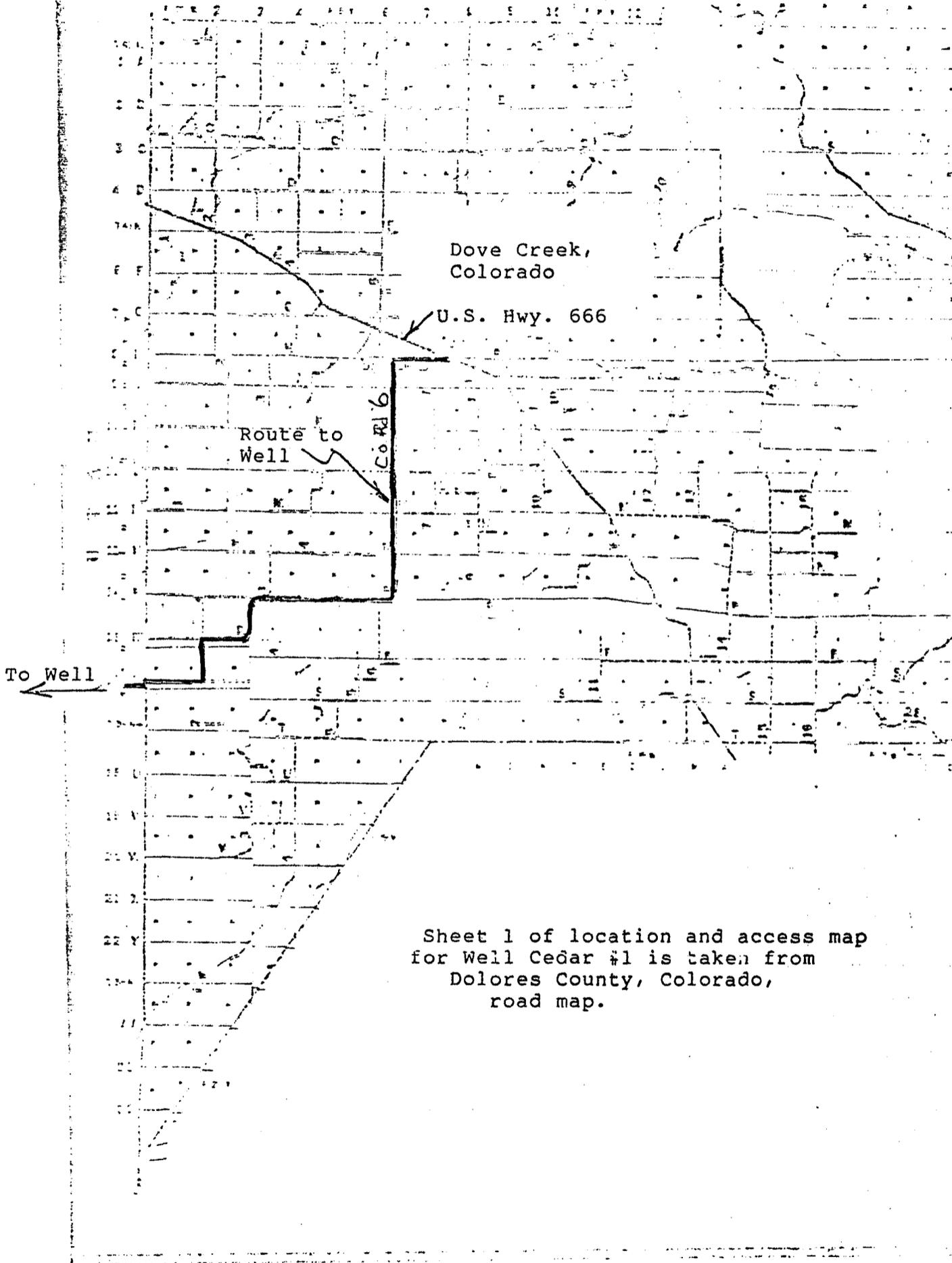
215 N. Linden
Cortez, Colorado
565-4496



Horizontal scale: 1" = 50'
Vertical scale: 1" = 5'

Celsius Energy
August 15, 1988
Location for Well Cedar #1
Sheet 1 of location and access map

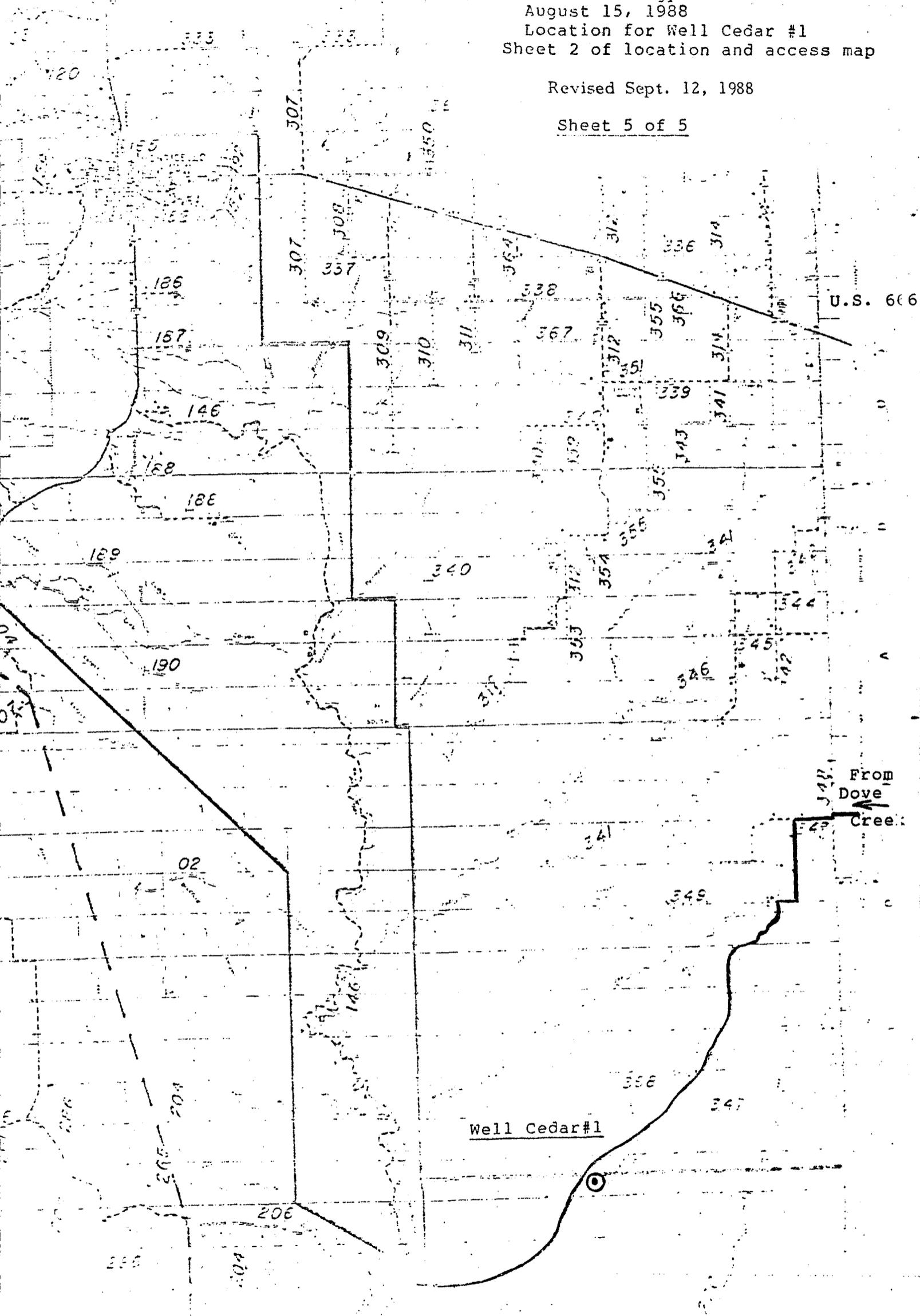
Sheet 4 of 5



Celsius Energy
August 15, 1988
Location for Well Cedar #1
Sheet 2 of location and access map

Revised Sept. 12, 1988

Sheet 5 of 5



Sheet 2 of location and access map
for Well Cedar #1 is taken from
San Juan County, Utah, road map.

OPERATOR Celsius Energy Company DATE 9-21-88

WELL NAME Cedar #1

SEC NESE 34 T 37S R 25E COUNTY San Juan

43-037-31455
API NUMBER

Fcd.
TYPE OF LEASE

CHECK OFF:

PLAT

Blm-Moab
 BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920' (sec. 34 & 35)
Need water permit

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT

R615-3-2

_____ CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1-Water Permit



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

September 27, 1988

Celsius Energy Company
P. O. Box 458
Rock Springs, Wyoming 82902

Gentlemen:

Re: Cedar #1 - NE SE Sec. 34, T. 37S, R. 25E - San Juan County, Utah
2108' FSL, 643' FEL

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 stipulations:

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 OGC-8-X.
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 R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Celsius Energy Company
Cedar #1
September 27, 1988

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 43-037-31455.

Sincerely,



R. J. BIRTH
Associate Director, Oil & Gas

lr
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
OCT 11 1988
DIVISION OF OIL, GAS & MINING

1a. TYPE OF WORK
 DRILL DEEPEN

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 Celsius Energy Company

3. ADDRESS OF OPERATOR
 P. O. Box 458, Rock Springs, Wyoming 82902

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 At proposed prod. zone

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 34 miles SE of Monticello, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 643'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL -

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

19. PROPOSED DEPTH 5910'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5461' GR

22. APPROX. DATE WORK WILL START*
 October 20, 1988

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 N/A

UNIT AGREEMENT NAME
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FARM OR LEASE NAME
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11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 34-37S-25E S.L.M.

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 San Juan Utah

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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 *Lee Montie* TITLE Drilling Superintendent DATE 9/19/88

(This space for Federal or State office use)

PERMIT NO. 43-037-31455 APPROVAL DATE _____

APPROVED BY /s/ Gene Nodine TITLE District Manager DATE 10/6/88

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

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.

Celsius Energy Company
Well No. Cedar 1
NESE Sec. 35, T. 37 S., R. 25 E., SLB&M
San Juan County, Utah
Lease U-44822

CONDITIONS OF APPROVAL

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.

Be advised that Celsius Energy Company is considered to be the operator of the above well, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Bond No. SL6308873 (Principal - Mountain Fuel Supply; Bonded Coprincipal - Celsius Energy Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

A. DRILLING PROGRAM

If unconsolidated rock is encountered, conductor shall be set ten (10) feet into underlying bedrock with cement circulated to surface.

Surface casing will be set 50 feet into the Chinle formation regardless of the depth the Chinle is encountered.

BOP Specification and Testing:

All ram-type preventers will be tested to the rated working pressure of the stack or to 70% of the internal yield of the surface casing, whichever is less prior to drilling the surface casing shoe.

This equipment will meet standards set forth in API RP 53.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the filed representative to insure compliance.

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2144 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed:

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

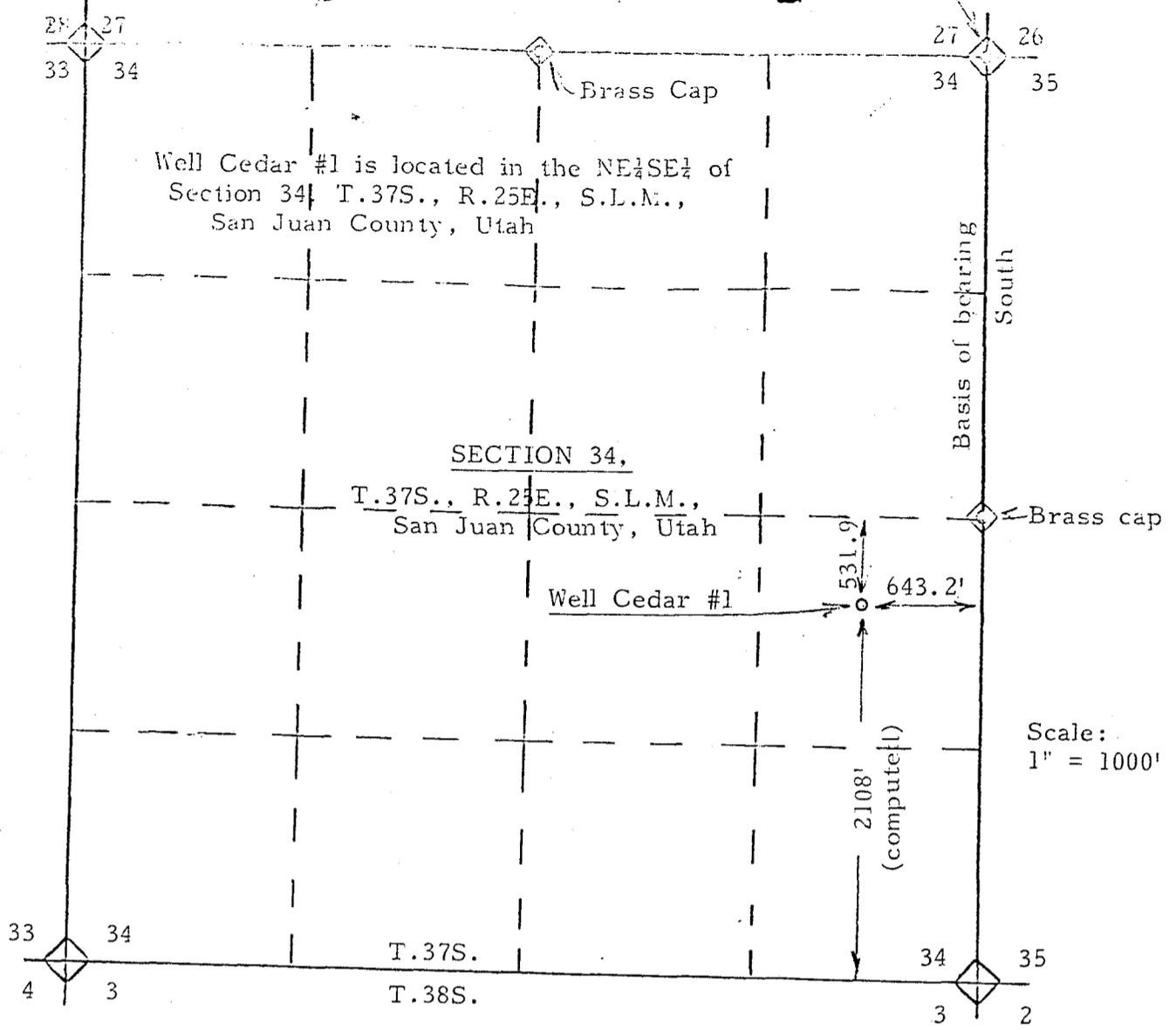
Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.

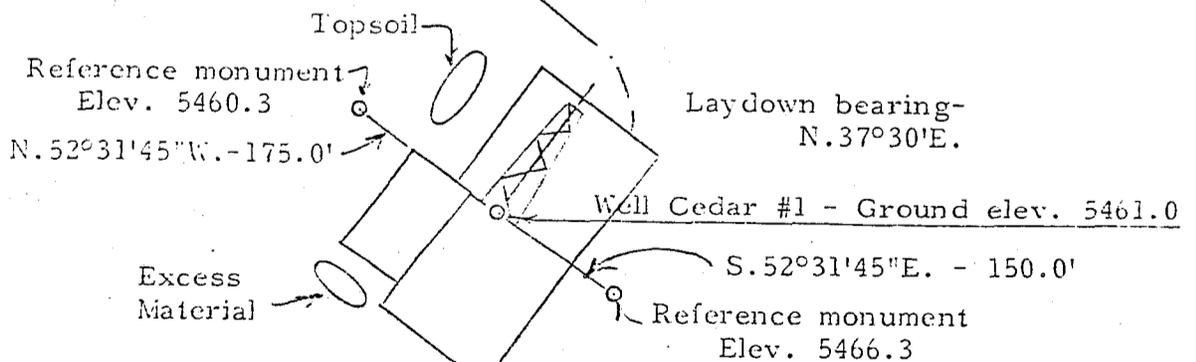


County Road

Soil: Gray, sandy.
Vegetation: Sparse brush, native grasses.

C/L proposed access road - 800'± length

Elevation datum is USGS quad elevation shown for the NE Cor. of Sec. 34 - Elev. 5594.

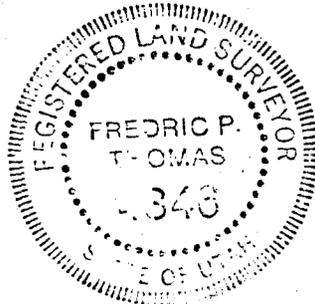


Scale: 1" = 200'

KNOW ALL MEN BY THESE PRESENTS: THAT I, FREDRIC P. THOMAS do hereby certify that I prepared this plat from an actual and accurate survey of the land and that the same is true and correct to the best of my knowledge and belief.

Fredric P. Thomas

FREDRIC P. THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728
Utah Reg. No. 4346



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
505-4496

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OCT 03 1988

FILING FOR WATER IN THE STATE OF UTAH

RECEIVED
SEP 23 1988
Rec. by ZK
Fee Rec. 30.00
Receipt # 25012
Microfilmed _____
Roll # _____

WATER RIGHTS
SALT LAKE

APPLICATION TO APPROPRIATE WATER RIGHTS TEMPORARY

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

* WATER RIGHT NO. 09 — 1602 * APPLICATION NO. A T63574

1. *PRIORITY OF RIGHT: September 23, 1988 * FILING DATE: September 23, 1988

2. OWNER INFORMATION
Name(s): Wexpro Company * Interest: _____ %
Address: P. O. Box 458
City: Rock Springs State: Wyoming Zip Code: 82902
Is the land owned by the applicant? Yes _____ No X
(If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: _____ cfs and/or 3.0 AF ac-ft

4. SOURCE: underground water well * DRAINAGE: _____
Which is tributary to _____
Which is tributary to _____
POINT(S) OF DIVERSION: _____ COUNTY: San Juan
1824' FSL, 2134' FWL of Section 32, T37S, R25E, SLB&M
N. 1824 ft. & E. 2134 ft. from SW Cor. Sec. 32, T37S, R25E, SLB&M)

Description of Diverting Works: Well has 9-5/8" O.D., 36#, K-55 casing - PBD 1650', water truck
* COMMON DESCRIPTION: 9 miles North of Hatch Trading Post Monument Canyon Quad

5. POINT(S) OF REDIVERSION
The water will be rediverted from _____ N/A _____ at a point:

Description of Rediverting Works: _____

6. POINT(S) OF RETURN
The amount of water consumed will be _____ cfs or 3.0 ac-ft
The amount of water returned will be N/A cfs or _____ ac-ft
The water will be returned to the natural stream/source at a point(s): N/A

7. STORAGE
Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres
Height of dam: _____ feet
Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

TEMPORARY

Appropriate

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OCT 17 1988
DIVISION OF
OIL GAS & MINING

8. List any other water rights which will supplement this application _____

18200754

9. NATURE AND PERIOD OF USE

Irrigation:	From _____	to _____
Stockwatering:	From _____	to _____
Domestic:	From _____	to _____
Municipal:	From _____	to _____
Mining:	From _____	to _____
Power:	From _____	to _____
Other:	From <u>September 1</u>	to <u>August 31</u>

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
 Stockwatering (number and kind): _____
 Domestic: _____ Families and/or _____ Persons
 Municipal (name): _____
 Mining: _____ Mining District in the _____ Mine
 Ores mined: _____
 Power: Plant name: _____ Type: _____ Capacity: _____
 Other (describe): Drilling of oil and gas wells

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): NE SE 34-37S-25E, SLB&M, San Juan
County, Utah - Cedar Well #1
43-037-31455-021

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary):
Section 32 is owned by the State of Utah.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Lee Martin
 Signature of Applicant(s)
 Drilling Superintendent

18200754

TEMPORARY

STATE ENGINEER'S ENDORSEMENT

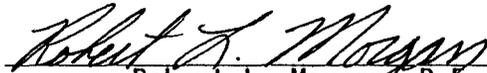
WATER RIGHT NUMBER: 09 - 1602

APPLICATION NO. T63574

1. September 23, 1988 Application received by MP.
 2. September 29, 1988 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-

Conditions:

This application is hereby APPROVED, dated October 14, 1988, subject to prior rights and this application will expire on October 14, 1989.


Robert L. Morgan, P.E.
State Engineer

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API NO. 43-037-31455

NAME OF COMPANY: CELSIUS ENERGY COMPANY

WELL NAME: CEDAR #1

SECTION NESE 34 TOWNSHIP 37S RANGE 25E COUNTY SAN JUAN

DRILLING CONTRACTOR COLEMAN

RIG # 2

SPUDDED: DATE 12/27/88

TIME 4:00 p.m.

How ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY KATHY

TELEPHONE # 307-382-9791

DATE 12/28/88 SIGNED TAS

ENTITY ACTION FORM - DOGM FORM 6

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DEC 30 1988

OPERATOR Celsius Energy Company
ADDRESS P. O. Box 458
Rock Springs, Wyoming 82902

OPERATOR CODE N4850
PHONE NO. 307, 382-9791

DIVISION OF OIL, GAS & MINING

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELLS. CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

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	10960	43-037-31455	Cedar Well No. 1	NE SE	34	37S	25E	San Juan	12-27-88	
COMMENTS: Federal- Lease Proposed Zone- Akch Field- Undesignated (only well in sec. 34, assign new entity 10960 on 1-3-89. Jcf) Not in a Unit											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

- ACTION CODES:
- A - ESTABLISH NEW ENTITY FOR NEW WELL
 - B - ADD NEW WELL TO EXISTING ENTITY
 - 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)
(SEE INSTRUCTIONS)

[Signature]
SIGNATURE
Drilling Superintendent 12/28/88
TITLE DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved
Budget Bureau No. 1004-0138

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
643' FEL, 2108' FSL, NE SE

14. PERMIT NO.
43-037-31455

15. ELEVATIONS (Show whether of top of hole or of casing)
GR 5461'

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DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cedar

9. WELL NO.
1

10. FIELD AND POOL OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
34-37S-25E, SLB&M

12. COUNTY OR PARISH 13. STATE
San Juan Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Spud

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Celsius Energy Company spud the above referenced well on 12-27-88 at 4:00 p.m. Drilling Contractor is Coleman Drilling Company, Rig No. 2. The well was drilled to 53 feet and 16-inch conductor pipe was set. A detailed report of cementing will follow.

Present Operations: Setting conductor pipe.

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

SIGNED

[Signature]

TITLE Drilling Superintendent

DATE 12-28-88

(This space for Federal or State office use)

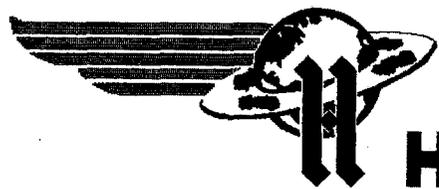
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

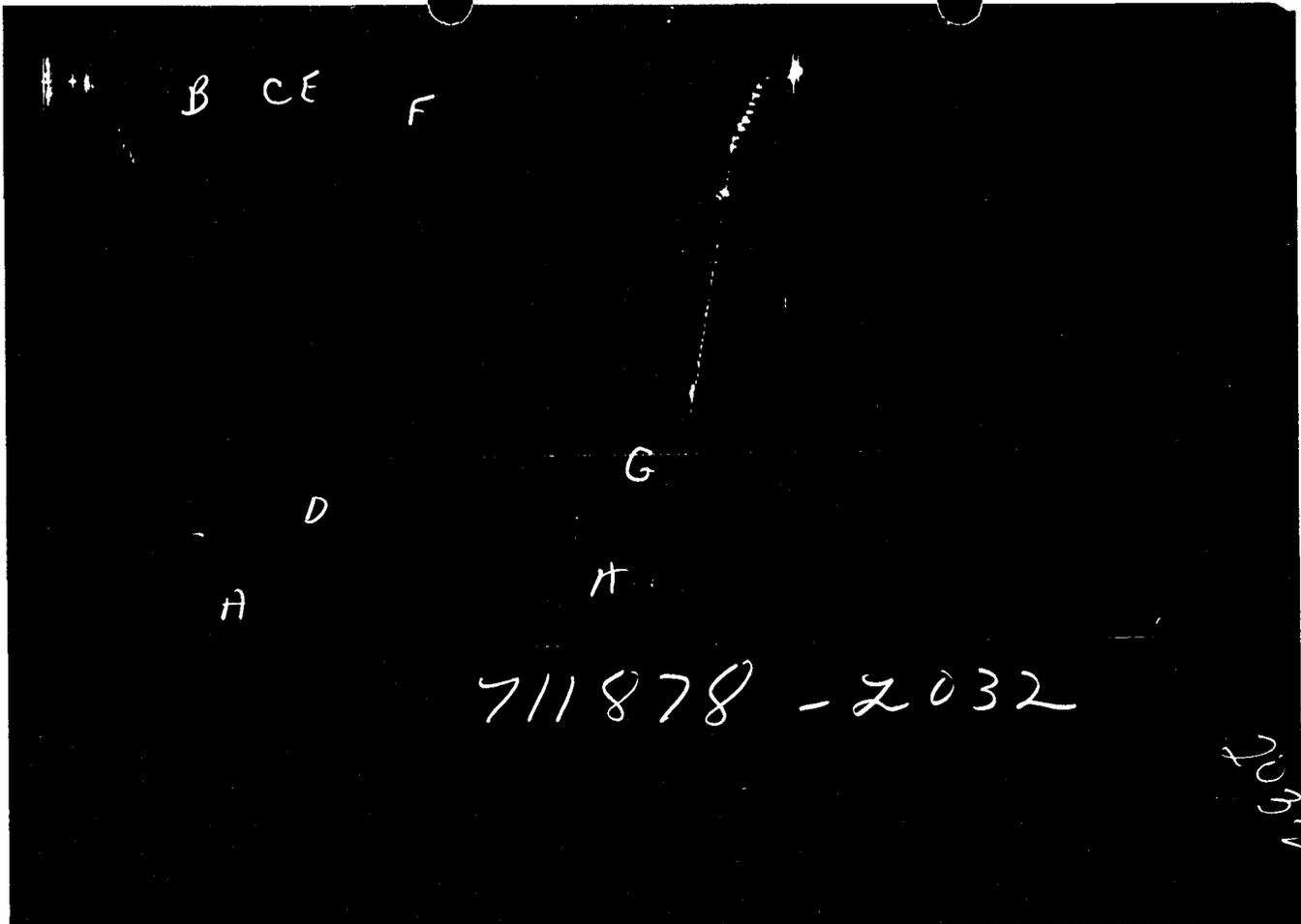


HALLIBURTON SERVICES

TICKET NO. 71187800
10-JAN-89
FARMINGTON

FORMATION TESTING SERVICE REPORT

CEDR UNIT	1	WELL NO.	1	TESTED INTERVAL	5539.0 - 5585.0	LEASE OWNER/COMPANY NAME	CELSIUS ENERGY COMPANY
LEASE NAME							
LEGAL LOCATION	43-037-3/455	FIELD AREA	PATTERSON CANYON	COUNTY	SAN JUAN	STATE	UTAH DR
SEC - TWP - RANG.	34-37S-25E						

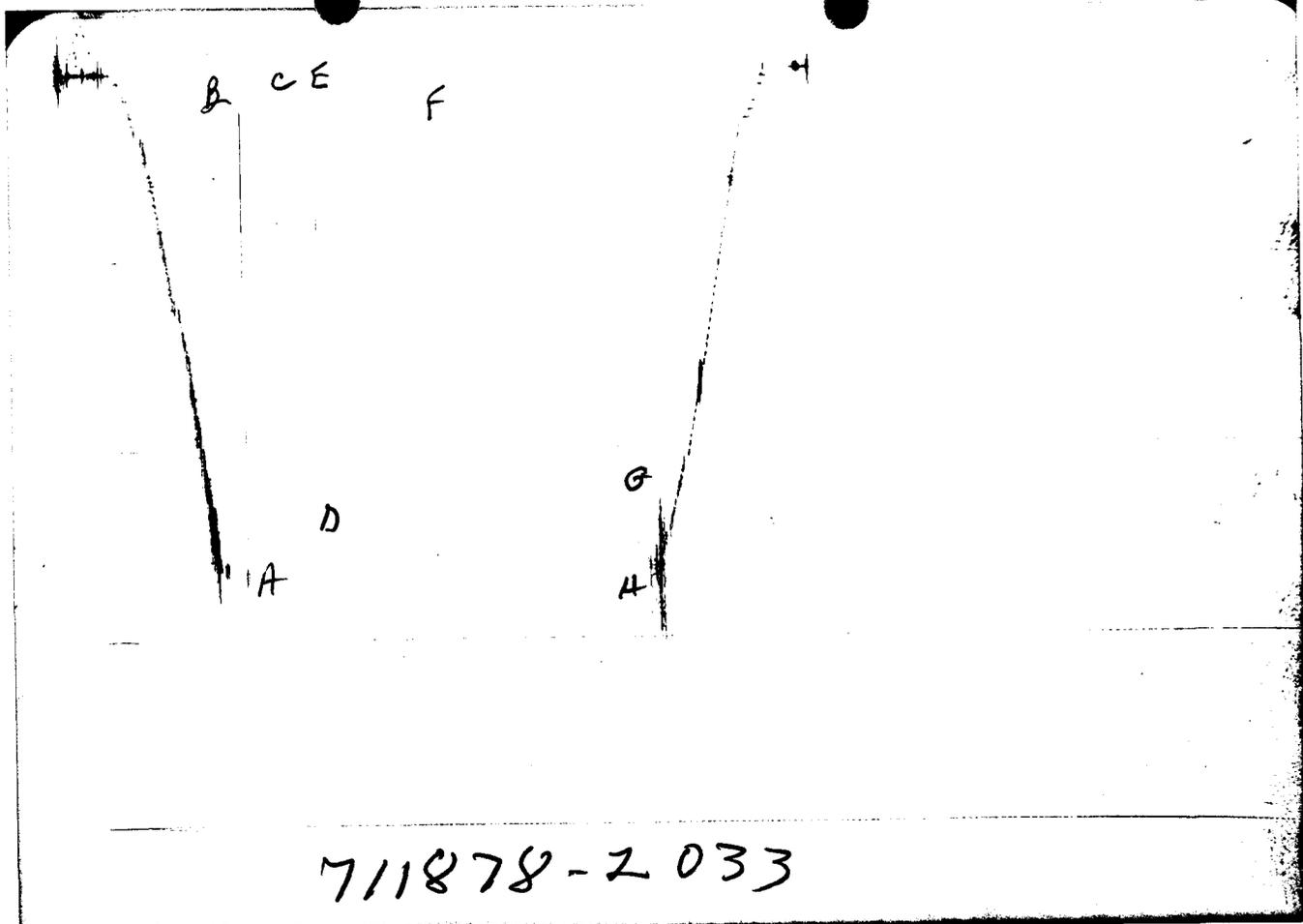


711878 - 2032

2032

GAUGE NO: 2032 DEPTH: 5518.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2676	2622.5			
B	INITIAL FIRST FLOW	27	43.5			
C	FINAL FIRST FLOW	80	90.4	30.0	32.3	F
C	INITIAL FIRST CLOSED-IN	80	90.4			
D	FINAL FIRST CLOSED-IN	2228	2210.1	60.0	56.3	C
E	INITIAL SECOND FLOW	107	117.3			
F	FINAL SECOND FLOW	267	265.9	121.0	122.9	F
F	INITIAL SECOND CLOSED-IN	267	265.9			
G	FINAL SECOND CLOSED-IN	2281	2279.7	269.0	268.4	C
H	FINAL HYDROSTATIC	2676	2577.8			



711878-2033

GAUGE NO: 2033 DEPTH: 5582.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2627	2655.2			
B	INITIAL FIRST FLOW	53	64.2			
C	FINAL FIRST FLOW	105	121.0	30.0	32.3	F
C	INITIAL FIRST CLOSED-IN	105	121.0			
D	FINAL FIRST CLOSED-IN	2126	2142.2	60.0	56.3	C
E	INITIAL SECOND FLOW	132	143.3			
F	FINAL SECOND FLOW	290	303.8	121.0	122.9	F
F	INITIAL SECOND CLOSED-IN	290	303.8			
G	FINAL SECOND CLOSED-IN	2179	2212.9	269.0	268.4	C
H	FINAL HYDROSTATIC	2627	2621.2			

EQUIPMENT & HOLE DATA

FORMATION TESTED: ISMAY
 NET PAY (ft): 21.0
 GROSS TESTED FOOTAGE: 46.0
 ALL DEPTHS MEASURED FROM: RKB
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 5474.0
 TOTAL DEPTH (ft): 5585.0
 PACKER DEPTH(S) (ft): 5533, 5539
 FINAL SURFACE CHOKE (in): _____
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.20
 MUD VISCOSITY (sec): 55
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 130 @ 5581.0 ft

TICKET NUMBER: 71187800
 DATE: 1-7-89 TEST NO: 1
 TYPE DST: OPEN HOLE
 HALLIBURTON CAMP: FARMINGTON
 TESTER: K. SMITH
T.M. PETROSE II
 WITNESS: MIKE SLIGNER
 DRILLING CONTRACTOR: COLEMAN RIG #2

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>PIT SAMPLE</u>	<u>0.940 @ 42 °F</u>	<u>1000 ppm</u>
<u>TOP SAMPLE D.P.</u>	<u>0.880 @ 50 °F</u>	<u>1150 ppm</u>
<u>MIDDLE SAMPLE</u>	<u>0.340 @ 52 °F</u>	<u>600 ppm</u>
<u>BOTTOM FLUID REC.</u>	<u>0.140 @ 50 °F</u>	<u>9000 ppm</u>
<u>SAMPLE CHAMBER</u>	<u>0.120 @ 50 °F</u>	<u>127000 ppm</u>
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: 300
 cu.ft. OF GAS: 0.114
 cc OF OIL: _____
 cc OF WATER: 1900.0
 cc OF MUD: _____
 TOTAL LIQUID cc: 1900.0

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED :

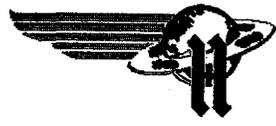
274' OF VERY SLIGHTLY OIL CUT DRILLING MUD
 274' OF FORMATION WATER

MEASURED FROM
TESTER VALVE

REMARKS :

NOTE: INCREMENTAL READINGS ON GAUGE #2032 ARE ERRATIC DUE TO STAIRSTEPPING.

TICKET NO: 71187800
 CLOCK NO: 13741 HOUR: 24



GAUGE NO: 2032
 DEPTH: 5518.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	43.5			
2	5.0	43.3	-0.3		
3	10.0	54.4	11.2		
4	15.0	63.0	8.6		
5	20.0	71.5	8.6		
6	25.0	80.1	8.6		
C 7	32.3	90.4	10.3		
FIRST CLOSED-IN					
C 1	0.0	90.4			
2	1.0	130.8	40.4	1.0	1.532
3	2.0	185.9	95.5	1.9	1.231
4	3.0	249.9	159.5	2.7	1.072
5	4.1	365.0	274.6	3.6	0.952
6	5.0	470.3	379.9	4.3	0.877
7	6.0	652.0	561.6	5.1	0.806
8	7.0	803.7	713.4	5.8	0.748
9	8.0	946.9	856.6	6.4	0.702
10	9.0	1096.4	1006.0	7.0	0.663
11	10.0	1193.4	1103.0	7.6	0.627
12	12.0	1406.2	1315.8	8.8	0.567
13	14.0	1540.6	1450.2	9.8	0.520
14	16.0	1646.5	1556.1	10.7	0.480
15	18.0	1729.1	1638.7	11.6	0.446
16	20.0	1802.4	1712.0	12.4	0.418
17	22.0	1861.3	1770.9	13.1	0.392
18	24.0	1907.2	1816.9	13.8	0.370
19	26.0	1949.3	1858.9	14.4	0.351
20	28.0	1985.5	1895.2	15.0	0.333
21	30.0	2014.5	1924.2	15.6	0.318
22	35.0	2075.1	1984.7	16.8	0.284
23	40.0	2118.4	2028.0	17.9	0.257
24	45.0	2154.2	2063.8	18.8	0.235
25	50.0	2183.5	2093.1	19.6	0.217
26	55.0	2208.6	2118.3	20.4	0.201
D 27	56.3	2210.1	2119.7	20.5	0.197
SECOND FLOW					
E 1	0.0	117.3			
2	5.0	117.3	0.0		
3	10.0	127.7	10.4		
4	15.0	135.6	7.9		
5	20.0	142.6	7.0		
6	25.0	150.1	7.5		
7	30.0	156.9	6.8		
8	35.0	163.3	6.3		
9	40.0	170.0	6.7		
10	45.0	176.4	6.4		

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
11	50.0	182.1	5.7		
12	55.0	188.5	6.4		
13	60.0	195.8	7.2		
14	65.0	201.4	5.7		
15	70.0	207.5	6.1		
16	75.0	213.3	5.8		
17	80.0	219.6	6.3		
18	85.0	225.1	5.5		
19	90.0	230.4	5.3		
20	95.0	236.2	5.8		
21	100.0	242.2	6.1		
22	105.0	247.1	4.9		
23	110.0	252.9	5.8		
24	115.0	258.2	5.3		
25	120.0	263.6	5.4		
F 26	122.9	265.9	2.4		
SECOND CLOSED-IN					
F 1	0.0	265.9			
2	1.0	325.3	59.4	1.0	2.201
3	2.0	394.3	128.3	1.9	1.903
4	3.0	462.7	196.8	3.0	1.721
5	4.0	529.6	263.7	3.9	1.601
6	5.0	619.9	354.0	4.9	1.505
7	6.0	700.4	434.5	5.8	1.430
8	7.0	794.8	528.9	6.7	1.367
9	8.0	893.4	627.4	7.7	1.307
10	9.0	981.7	715.8	8.5	1.260
11	10.0	1074.1	808.2	9.4	1.218
12	12.0	1208.3	942.4	11.1	1.144
13	14.0	1325.5	1059.6	12.8	1.082
14	16.0	1431.9	1165.9	14.5	1.030
15	18.0	1506.8	1240.9	16.1	0.983
16	20.0	1577.8	1311.8	17.7	0.943
17	22.0	1631.2	1365.3	19.2	0.907
18	24.0	1681.2	1415.3	20.8	0.873
19	26.0	1715.8	1449.8	22.2	0.844
20	28.0	1757.0	1491.1	23.7	0.816
21	30.0	1785.9	1520.0	25.2	0.790
22	35.0	1851.5	1585.6	28.6	0.735
23	40.0	1901.9	1636.0	31.8	0.688
24	45.0	1842.0	1676.1	34.9	0.648
25	50.0	1976.8	1710.9	37.8	0.613
26	55.0	2005.3	1739.4	40.6	0.582
27	60.0	2028.4	1762.5	43.3	0.555
28	70.0	2070.2	1804.2	48.3	0.508
29	80.0	2100.2	1834.3	52.8	0.468
30	90.0	2125.3	1859.4	57.0	0.435
31	100.0	2145.5	1879.5	60.8	0.407
32	110.0	2163.1	1897.2	64.4	0.382
33	120.0	2178.1	1912.2	67.7	0.361
34	135.0	2197.1	1931.1	72.2	0.332

REMARKS:



TICKET NO: 71187800
 CLOCK NO: 13741 HOUR: 24

GAUGE NO: 2032
 DEPTH: 5518.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
35	150.0	2213.4	1947.5	76.3	0.309
36	165.0	2225.0	1959.0	80.0	0.288
37	180.0	2237.7	1971.8	83.4	0.270
38	195.0	2246.8	1980.9	86.4	0.254
39	210.0	2254.2	1988.2	89.3	0.240
40	225.0	2262.5	1996.5	91.9	0.228
41	240.0	2269.3	2003.4	94.3	0.217
42	250.0	2277.2	2011.3	97.2	0.203
G 43	268.4	2279.7	2013.8	98.4	0.198

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$

REMARKS:

TICKET NO: 71187800
CLOCK NO: 12118 HOUR: 24



GAUGE NO: 2033
DEPTH: 5582.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B	1	0.0	64.2		
	2	5.0	67.7	3.5	
	3	10.0	79.7	12.0	
	4	15.0	89.8	10.0	
	5	20.0	99.6	9.9	
	6	25.0	108.3	8.7	
C	7	32.3	121.0	12.7	
FIRST CLOSED-IN					
C	1	0.0	121.0		
	2	1.0	166.5	45.5	0.9 1.541
	3	2.0	213.3	92.3	1.9 1.227
	4	3.0	284.2	163.1	2.7 1.072
	5	4.0	376.6	255.5	3.5 0.963
	6	5.0	493.3	372.3	4.4 0.871
	7	6.0	761.3	640.3	5.1 0.806
	8	7.0	900.6	779.6	5.7 0.751
	9	8.0	1054.5	933.4	6.4 0.703
	10	9.0	1148.0	1026.9	7.1 0.661
	11	10.0	1281.7	1160.7	7.7 0.625
	12	12.0	1449.2	1328.2	8.8 0.567
	13	14.0	1574.4	1453.4	9.8 0.520
	14	16.0	1655.8	1534.7	10.7 0.481
	15	18.0	1735.1	1614.1	11.6 0.447
	16	20.0	1783.6	1662.5	12.3 0.418
	17	22.0	1833.2	1712.1	13.1 0.392
	18	24.0	1880.0	1759.0	13.8 0.370
	19	26.0	1912.2	1791.1	14.4 0.351
<input type="checkbox"/>	20	27.2	1913.9	1792.8	14.8 0.340
<input type="checkbox"/>	21	30.4	1958.1	1837.0	15.7 0.315
<input type="checkbox"/>	22	32.7	1982.4	1861.4	16.3 0.298
	23	35.0	2021.5	1900.5	16.8 0.284
	24	40.0	2062.9	1941.8	17.9 0.257
<input type="checkbox"/>	25	44.5	2076.5	1955.5	18.7 0.237
<input type="checkbox"/>	26	47.7	2108.6	1987.5	19.3 0.225
<input type="checkbox"/>	27	50.2	2123.4	2002.3	19.7 0.216
<input type="checkbox"/>	28	53.6	2133.6	2012.6	20.2 0.205
D	29	56.3	2142.2	2021.1	20.5 0.197
SECOND FLOW					
E	1	0.0	143.3		
	2	5.0	146.2	2.9	
	3	10.0	156.5	10.3	
	4	15.0	165.9	9.4	
	5	20.0	174.1	8.2	
	6	25.0	180.5	6.4	
	7	30.0	187.8	7.4	

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
	8	35.0	195.6	7.8	
	9	40.0	202.7	7.1	
	10	45.0	208.7	6.0	
	11	50.0	215.7	7.0	
	12	55.0	222.2	6.6	
	13	60.0	229.4	7.2	
	14	65.0	236.0	6.6	
	15	70.0	243.5	7.5	
	16	75.0	249.6	6.2	
	17	80.0	255.8	6.2	
	18	85.0	262.5	6.7	
	19	90.0	268.1	5.6	
	20	95.0	273.7	5.6	
	21	100.0	279.9	6.2	
	22	105.0	285.7	5.9	
	23	110.0	291.4	5.6	
	24	115.0	296.7	5.3	
	25	120.0	302.3	5.6	
F	26	122.9	303.8	1.5	
SECOND CLOSED-IN					
F	1	0.0	303.8		
	2	1.0	392.9	89.1	1.0 2.186
	3	2.0	439.3	135.5	2.0 1.900
	4	3.0	468.8	165.0	2.9 1.727
	5	4.0	525.1	221.3	3.9 1.598
	6	5.0	694.8	391.0	4.8 1.506
	7	6.0	780.4	476.6	5.7 1.432
	8	7.0	876.4	572.6	6.7 1.364
	9	8.0	968.1	664.3	7.6 1.311
	10	9.0	1064.3	760.5	8.5 1.262
	11	10.0	1143.0	839.2	9.4 1.218
	12	12.0	1250.1	946.3	11.1 1.146
	13	14.0	1366.8	1063.0	12.9 1.082
	14	16.0	1460.0	1156.2	14.5 1.030
	15	18.0	1521.3	1217.5	16.2 0.983
	16	20.0	1584.2	1280.4	17.7 0.944
	17	22.0	1630.5	1326.7	19.3 0.906
	18	24.0	1655.0	1351.2	20.8 0.874
	19	26.0	1692.7	1388.9	22.3 0.843
	20	28.0	1735.2	1431.4	23.7 0.817
	21	30.0	1754.4	1450.6	25.1 0.791
<input type="checkbox"/>	22	35.0	1815.0	1511.2	28.6 0.735
<input type="checkbox"/>	23	39.5	1844.4	1540.6	31.5 0.692
<input type="checkbox"/>	24	40.0	1874.0	1570.2	31.8 0.689
<input type="checkbox"/>	25	47.5	1896.5	1592.7	36.4 0.630
<input type="checkbox"/>	26	51.2	1923.1	1619.3	38.5 0.606
<input type="checkbox"/>	27	56.6	1961.7	1657.9	41.5 0.573
	28	60.0	1981.7	1677.9	43.3 0.555
	29	70.0	2012.8	1709.0	48.3 0.508
<input type="checkbox"/>	30	73.3	2018.7	1714.9	49.8 0.494

LEGEND:
 STAIR-STEP

REMARKS:

TICKET NO: 71187800

CLOCK NO: 12118 HOUR: 24



GAUGE NO: 2033

DEPTH: 5582.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
31	80.0	2046.1	1742.3	52.8	0.468
32	90.0	2069.8	1766.0	57.0	0.435
<input type="checkbox"/> 33	99.3	2080.3	1776.5	60.5	0.409
<input type="checkbox"/> 34	103.6	2092.3	1788.5	62.1	0.398
<input type="checkbox"/> 35	114.4	2105.3	1801.5	65.9	0.372
<input type="checkbox"/> 36	127.8	2113.3	1809.5	70.1	0.345
<input type="checkbox"/> 37	147.3	2138.9	1835.1	75.6	0.313
<input type="checkbox"/> 38	160.6	2148.5	1844.7	78.9	0.294
<input type="checkbox"/> 39	199.0	2172.6	1868.8	87.2	0.250
<input type="checkbox"/> 40	236.2	2187.8	1884.0	93.7	0.219
G 41	268.4	2212.9	1909.1	98.4	0.198

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$

LEGEND:
 STAIR-STEP

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4864.0	
3		DRILL COLLARS.....	6.250	2.250	547.0	
50		IMPACT REVERSING SUB.....	6.250	2.250	1.0	5411.5
3		DRILL COLLARS.....	6.250	2.250	93.0	
5		CROSSOVER.....	5.750	2.250	1.0	
13		DUAL CIP SAMPLER.....	5.000	0.750	6.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5516.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	5518.0
15		JAR.....	5.000	1.500	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	6.750	2.000	6.0	5533.0
70		OPEN HOLE PACKER.....	6.750	2.000	6.0	5539.0
20		FLUSH JOINT ANCHOR.....	5.750	2.500	40.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	5582.0
TOTAL DEPTH					5585.0	

LEGAL LOCATION SEC. - TWP. - RNG.	34-37S-25E	FIELD AREA	CEDAR PROSPECT	COUNTY	SN JURN	STATE	UTRH	SM
CELR UNIT	1	WELL NO.	2	TESTED INTERVAL	5790.0 - 5814.0	LEASE OWNER/COMPANY NAME	CELSIUS ENERGY COMPANY	
LEASE NAME		TEST NO.						

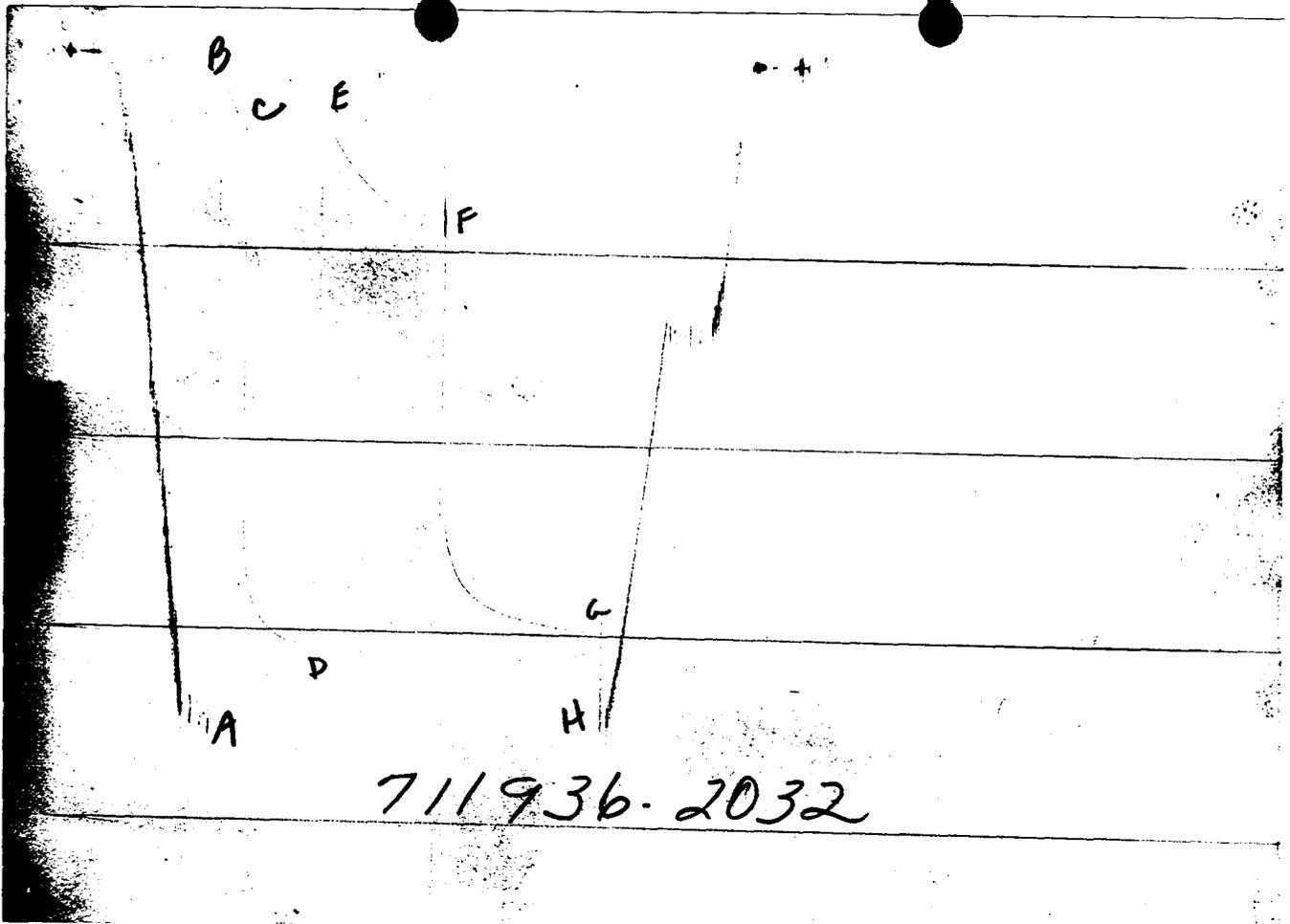
43-037-31455



HALLIBURTON SERVICES

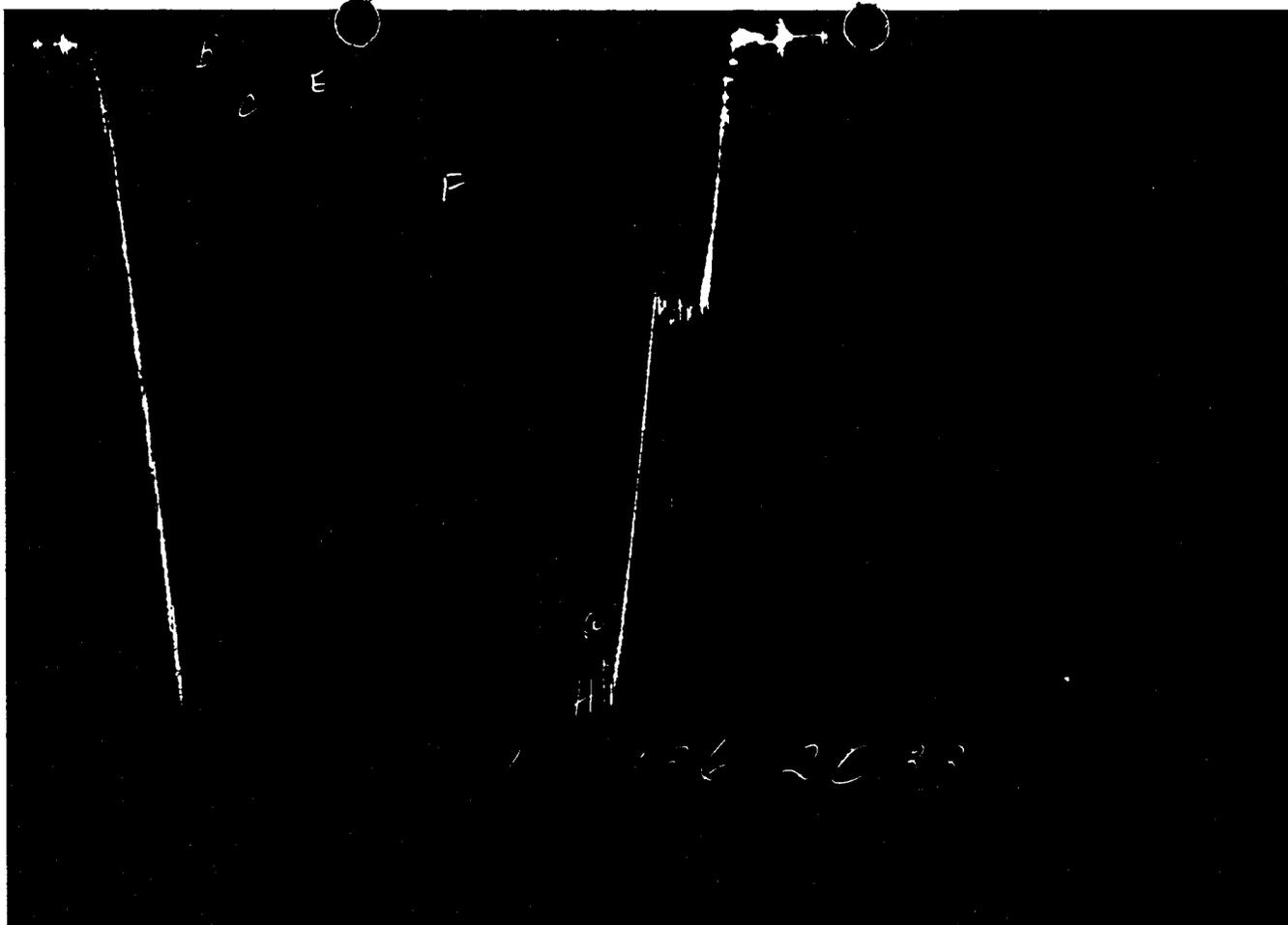
TICKET NO. 71193600
 16-JAN-89
 FARMINGTON

FORMATION TESTING SERVICE REPORT



GAUGE NO: 2032 DEPTH: 5769.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3423	3436.6			
B	INITIAL FIRST FLOW	132	157.5			
C	FINAL FIRST FLOW	395	377.5	30.0	29.8	F
C	INITIAL FIRST CLOSED-IN	395	377.5			
D	FINAL FIRST CLOSED-IN	3078	3086.4	91.0	92.5	C
E	INITIAL SECOND FLOW	263	274.3			
F	FINAL SECOND FLOW	697	805.4	150.0	148.4	F
F	INITIAL SECOND CLOSED-IN	697	805.4			
G	FINAL SECOND CLOSED-IN	2972	2988.0	199.0	199.4	C
H	FINAL HYDROSTATIC	3450	3433.7			



GAUGE NO: 2033 DEPTH: 5811.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3500	3466.4			
B	INITIAL FIRST FLOW	134	170.0			
C	FINAL FIRST FLOW	374	390.8	30.0	29.8	F
C	INITIAL FIRST CLOSED-IN	374	390.8			
D	FINAL FIRST CLOSED-IN	3088	3110.8	91.0	92.5	C
E	INITIAL SECOND FLOW	267	287.0			
F	FINAL SECOND FLOW	813	821.8	150.0	148.4	F
F	INITIAL SECOND CLOSED-IN	813	821.8			
G	FINAL SECOND CLOSED-IN	2995	3008.8	199.0	199.4	C
H	FINAL HYDROSTATIC	3447	3456.8			

EQUIPMENT & HOLE DATA

FORMATION TESTED: DESERT CREEKNET PAY (ft): 12.0 (5796-5805')GROSS TESTED FOOTAGE: 24.0 PKR TO T.D.ALL DEPTHS MEASURED FROM: KELLY BUSHING

CASING PERFS. (ft): _____

HOLE OR CASING SIZE (in): 7.875ELEVATION (ft): 5461.0 GROUNDTOTAL DEPTH (ft): 5814.0PACKER DEPTH(S) (ft): 5784, 5790FINAL SURFACE CHOKE (in): 0.50000BOTTOM HOLE CHOKE (in): 0.750MUD WEIGHT (lb/gal): 11.50MUD VISCOSITY (sec): 40ESTIMATED HOLE TEMP. (°F): 120ACTUAL HOLE TEMP. (°F): 130 @ 5810.0 ftTICKET NUMBER: 71193600DATE: 1-10-89 TEST NO: 2TYPE DST: OPEN HOLEHALLIBURTON CAMP:
FARMINGTONTESTER: GENE ROBERTSWITNESS: MIKE SLIGER

DRILLING CONTRACTOR:

COLEMAN DRILLING RIG #2FLUID PROPERTIES FOR
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>PIT SAMPLE</u>	<u>1.070 @ 68 °F</u>	<u>1394</u> ppm
<u>TOP SAMPLE</u>	<u>0.083 @ 68 °F</u>	<u>21818</u> ppm
<u>MIDDLE SAMPLE</u>	<u>1.250 @ 68 °F</u>	<u>1212</u> ppm
<u>BOTTOM SAMPLE</u>	<u>0.023 @ 68 °F</u>	<u>96970</u> ppm
<u>SAMPLER OIL</u>	<u>1.250 @ 68 °F</u>	<u>1212</u> ppm
<u>SAMPLER WATER</u>	<u>0.023 @ 68 °F</u>	<u>96970</u> ppm

SAMPLER DATA

P_{sig} AT SURFACE: 500.0cu.ft. OF GAS: 1.154cc OF OIL: 1100.0cc OF WATER: 300.0

cc OF MUD: _____

TOTAL LIQUID cc: 1400.0

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 44.5 @ 60 °FGAS/OIL RATIO (cu.ft. per bbl): 167

GAS GRAVITY: _____

CUSHION DATA

TYPE AMOUNT WEIGHT

RECOVERED :

200 FEET (TOP) OF GAS CUT MUD
 1800 FEET (MIDDLE) OF VERY OILY AND GAS CUT MUD
 300 FEET (BOTTOM) OF SALT WATER

2300 FEET TOTALMEASURED FROM
TESTER VALVE

REMARKS :

TYPE & SIZE MEASURING DEVICE: _____					TICKET NO: 71193600
TIME	CHOKESIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
1-10-89					
0215					DN LOCATION
0230					PICKED UP AND MADE UP TOOLS
0400					TRIPPED IN HOLE WITH TOOLS
0610	1/8BH	1.5			OPENED TOOL WITH STRONG BLOW
					4" IN BUCKET
0615	BH	5			PSI INCREASING, BOTTOM OF
					BUCKET
0620	BH	20			PSI INCREASING
0625	BH	40			PSI INCREASING
0630	BH	60			PSI INCREASING
0635	BH	75			PSI INCREASING
0640	BH	105			CLOSED TOOL WITH STRONG BLOW
0641					bled pressure off, GAS TO THE
					SURFACE
0811	1/4	3			OPENED TOOL WITH GOOD BLOW
					THRU MANIFOLD
0821	1/4	40			PRESSURE INCREASING, FLARING
					TO PIT
0831	1/4	73			PRESSURE INCREASING
0841	1/4	92			PRESSURE INCREASING
0851	1/4	109			PRESSURE INCREASING
0901	1/4	120			PRESSURE INCREASING
0911	1/4	125			PRESSURE INCREASING
0921	1/4	130			PRESSURE INCREASING
0931	1/4	130			STABILIZED
0941	1/4	130			
0951	1/4	130	213		
1001	1/4	130	213		
1011	1/2	105			OPENED CHOKES TO 1/2"
1021	1/2	30	280		PRESSURE DROPPING
1031	1/2	20	217		PRESSURE DROPPING
1041	1/2	15	187		CLOSED TOOL WITH A GOOD BLOW
1042					bled off pressure
1400					OPENED BYPASS
1406					TRIPPED OUT OF HOLE WITH TOOLS
1500					DROPPED BAR, REVERSED OUT



TICKET NO: 71193600
 CLOCK NO: 12118 HOUR: 24

GAUGE NO: 2032
 DEPTH: 5769.0

REF	MINUTES	PRESSURE	AP	$\frac{t+\Delta t}{t-\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
FIRST FLOW					
B	1	0.0	157.5		
	2	5.0	155.1	-2.5	
	3	10.0	208.4	53.3	
	4	15.0	261.4	53.1	
	5	20.0	306.2	44.8	
	6	25.0	343.4	37.3	
C	7	29.8	377.5	34.1	
FIRST CLOSED-IN					
C	1	0.0	377.5		
	2	1.0	717.8	340.3	0.9 1.510
	3	2.0	1120.8	743.2	1.9 1.203
	4	3.0	1955.6	1578.1	2.7 1.042
	5	4.0	2366.5	1989.0	3.5 0.931
	6	5.0	2496.6	2119.1	4.3 0.841
	7	6.0	2578.7	2201.2	5.0 0.773
	8	7.0	2637.1	2259.6	5.7 0.721
	9	8.0	2673.5	2295.9	6.3 0.674
	10	9.0	2709.9	2332.4	6.9 0.634
	11	10.0	2732.6	2355.1	7.5 0.601
	12	12.0	2781.7	2404.2	8.6 0.542
	13	14.0	2814.9	2437.4	9.5 0.496
	14	16.0	2844.1	2466.6	10.4 0.458
	15	18.0	2865.9	2488.3	11.2 0.424
	16	20.0	2885.9	2508.4	12.0 0.396
	17	22.0	2904.1	2526.5	12.7 0.372
	18	24.0	2919.9	2542.3	13.3 0.350
	19	26.0	2933.1	2555.6	13.9 0.332
	20	28.0	2946.4	2568.9	14.4 0.315
	21	30.0	2958.4	2580.8	15.0 0.300
	22	35.0	2983.2	2605.6	16.1 0.268
	23	40.0	3004.5	2627.0	17.1 0.242
	24	45.0	3021.9	2644.4	17.9 0.221
	25	50.0	3035.9	2658.3	18.7 0.203
	26	55.0	3046.3	2668.8	19.3 0.188
	27	60.0	3055.1	2677.6	19.9 0.175
	28	70.0	3069.3	2691.8	20.9 0.154
	29	80.0	3077.8	2700.2	21.7 0.138
D	30	92.5	3086.4	2708.9	22.5 0.121
SECOND FLOW					
E	1	0.0	274.3		
	2	10.0	366.0	91.7	
	3	20.0	455.6	89.6	
	4	30.0	522.0	66.4	
	5	40.0	583.7	61.7	
	6	50.0	636.7	52.9	

REF	MINUTES	PRESSURE	AP	$\frac{t+\Delta t}{t-\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
	7	60.0	679.4	42.7	
	8	70.0	717.7	38.4	
	9	80.0	750.1	32.3	
	10	90.0	782.8	32.7	
	11	100.0	811.5	28.8	
	12	110.0	841.5	30.0	
1	13	119.3	866.0	24.6	
	14	120.0	853.1	-12.9	
	15	130.0	772.0	-81.2	
	16	140.0	785.2	13.3	
F	17	148.4	805.4	20.1	
SECOND CLOSED-IN					
F	1	0.0	805.4		
2	2	6.7	2426.0	1620.6	6.4 1.442
	3	7.0	2456.0	1650.7	6.7 1.423
	4	8.0	2472.2	1666.9	7.6 1.367
	5	9.0	2500.2	1694.8	8.5 1.320
	6	10.0	2523.0	1717.6	9.5 1.274
	7	12.0	2565.8	1760.4	11.2 1.200
	8	14.0	2596.7	1791.3	13.0 1.138
	9	16.0	2624.4	1819.0	14.7 1.085
	10	18.0	2648.3	1842.9	16.3 1.038
	11	20.0	2668.5	1863.1	18.0 0.996
	12	22.0	2688.9	1883.6	19.6 0.959
	13	24.0	2704.1	1898.7	21.2 0.925
	14	26.0	2719.6	1914.2	22.7 0.895
	15	28.0	2731.8	1926.4	24.2 0.867
	16	30.0	2744.8	1939.5	25.7 0.841
	17	35.0	2771.7	1966.3	29.3 0.784
	18	40.0	2793.8	1988.4	32.7 0.737
	19	45.0	2812.5	2007.2	35.9 0.695
	20	50.0	2828.5	2023.1	39.0 0.660
	21	55.0	2843.1	2037.7	42.0 0.627
	22	60.0	2855.4	2050.0	44.9 0.599
	23	70.0	2876.5	2071.1	50.3 0.549
	24	80.0	2893.4	2088.0	55.2 0.509
	25	90.0	2908.3	2102.9	59.8 0.474
	26	100.0	2919.8	2114.4	64.1 0.444
	27	110.0	2929.6	2124.3	68.0 0.418
	28	120.0	2938.4	2133.0	71.7 0.395
	29	135.0	2950.2	2144.8	76.8 0.365
	30	150.0	2961.1	2155.7	81.4 0.340
	31	165.0	2970.5	2165.1	85.7 0.318
	32	180.0	2979.7	2174.3	89.5 0.299
	33	195.0	2987.0	2181.6	93.1 0.282
G	34	199.4	2988.0	2182.7	94.1 0.277

LEGEND:
 1 CHDKE CHANGE 2 STAIR-STEP
 REMARKS:



TICKET NO: 71193600
 CLOCK NO: 13741 HOUR: 24

GAUGE NO: 2033
 DEPTH: 5811.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	170.0			
2	5.0	169.4	-0.7		
3	10.0	223.7	54.3		
4	15.0	279.6	55.9		
5	20.0	324.7	45.1		
6	25.0	359.7	35.0		
C 7	29.8	390.8	31.0		
FIRST CLOSED-IN					
C 1	0.0	390.8			
2	1.0	851.6	450.8	1.0	1.481
3	2.0	1174.6	783.9	1.9	1.206
4	3.0	1492.7	1102.0	2.8	1.035
5	4.0	1795.9	1405.1	3.6	0.922
6	5.0	2171.3	1780.6	4.3	0.842
7	6.0	2367.8	1977.0	5.0	0.774
8	7.0	2496.3	2105.6	5.7	0.718
9	8.0	2568.6	2177.9	6.3	0.675
10	9.0	2629.7	2238.9	6.9	0.635
11	10.0	2675.1	2284.3	7.5	0.601
12	12.0	2740.6	2349.9	8.6	0.541
13	14.0	2788.4	2397.7	9.5	0.495
14	16.0	2826.8	2436.0	10.4	0.457
15	18.0	2856.2	2465.5	11.2	0.424
16	20.0	2882.4	2491.6	12.0	0.396
17	22.0	2903.9	2513.1	12.7	0.372
18	24.0	2921.7	2530.9	13.3	0.351
19	26.0	2937.5	2546.7	13.9	0.332
20	28.0	2952.0	2561.3	14.4	0.315
21	30.0	2965.3	2574.6	15.0	0.300
22	35.0	2994.9	2604.2	16.1	0.268
23	40.0	3019.1	2628.4	17.1	0.242
24	45.0	3039.2	2648.5	17.9	0.221
25	50.1	3054.1	2663.4	18.7	0.203
26	55.0	3066.5	2675.7	19.3	0.188
27	60.0	3076.6	2685.9	19.9	0.175
28	70.0	3090.4	2699.7	20.9	0.154
29	80.0	3101.9	2711.1	21.7	0.138
D 30	92.5	3110.8	2720.0	22.5	0.121
SECOND FLOW					
E 1	0.0	287.0			
2	10.0	381.2	94.2		
3	20.0	468.1	86.9		
4	30.0	534.3	66.2		
5	40.0	596.7	62.4		
6	50.0	652.1	55.4		

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
7	60.0	694.8	42.8		
8	70.0	733.5	38.6		
9	80.0	769.3	35.8		
10	90.0	802.8	33.5		
11	100.0	831.7	28.9		
12	110.0	860.3	28.5		
13	119.3	884.3	24.0		
14	120.0	877.2	-7.1		
15	130.0	788.4	-88.9		
16	140.0	801.7	13.3		
F 17	148.4	821.8	20.1		
SECOND CLOSED-IN					
F 1	0.0	821.8			
2	1.0	1209.3	387.6	1.0	2.245
3	2.0	1485.1	663.3	2.0	1.953
4	3.0	1790.5	968.7	3.0	1.781
5	4.0	2062.8	1241.0	4.0	1.653
6	5.0	2197.0	1375.3	4.9	1.561
7	6.0	2307.8	1486.0	5.8	1.487
8	7.0	2377.7	1555.9	6.8	1.421
9	8.0	2430.4	1608.6	7.7	1.365
10	9.0	2466.0	1644.2	8.5	1.319
11	10.0	2501.2	1679.4	9.5	1.273
12	12.0	2548.2	1726.4	11.2	1.200
13	14.0	2589.9	1768.1	13.0	1.136
14	16.0	2624.0	1802.3	14.7	1.083
15	18.0	2649.5	1827.8	16.3	1.037
16	20.0	2670.9	1849.1	18.0	0.996
17	22.0	2691.7	1870.0	19.6	0.959
18	24.0	2708.9	1887.1	21.1	0.926
19	26.0	2725.9	1904.1	22.7	0.895
20	28.0	2741.5	1919.8	24.2	0.867
21	30.0	2754.7	1932.9	25.7	0.842
22	35.0	2784.8	1963.1	29.3	0.785
23	40.0	2809.4	1987.6	32.7	0.737
24	45.0	2830.0	2008.2	35.9	0.695
25	50.0	2847.2	2025.5	39.0	0.659
26	55.0	2861.2	2039.4	42.0	0.627
27	60.0	2873.8	2052.0	44.9	0.599
28	70.0	2895.7	2073.9	50.3	0.549
29	80.0	2912.7	2090.9	55.2	0.509
30	90.0	2926.5	2104.7	59.8	0.474
31	100.0	2938.7	2116.9	64.0	0.444
32	110.0	2949.2	2127.4	68.0	0.418
33	120.0	2958.5	2136.7	71.7	0.395
34	135.0	2970.7	2148.9	76.8	0.365
35	150.0	2981.6	2159.8	81.4	0.340
36	165.0	2990.6	2168.9	85.7	0.318
37	180.0	2999.2	2177.5	89.5	0.299
38	195.0	3006.6	2184.8	93.1	0.282

LEGEND:
 CHOKE CHANGE

REMARKS:



TICKET NO: 71193600
 CLOCK NO: 13741 HOUR: 24

GAUGE NO: 2033
 DEPTH: 5811.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
G 39	199.4	3008.8	2187.1	94.1	0.277

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
-----	---------	----------	----	--	--------------------------------------

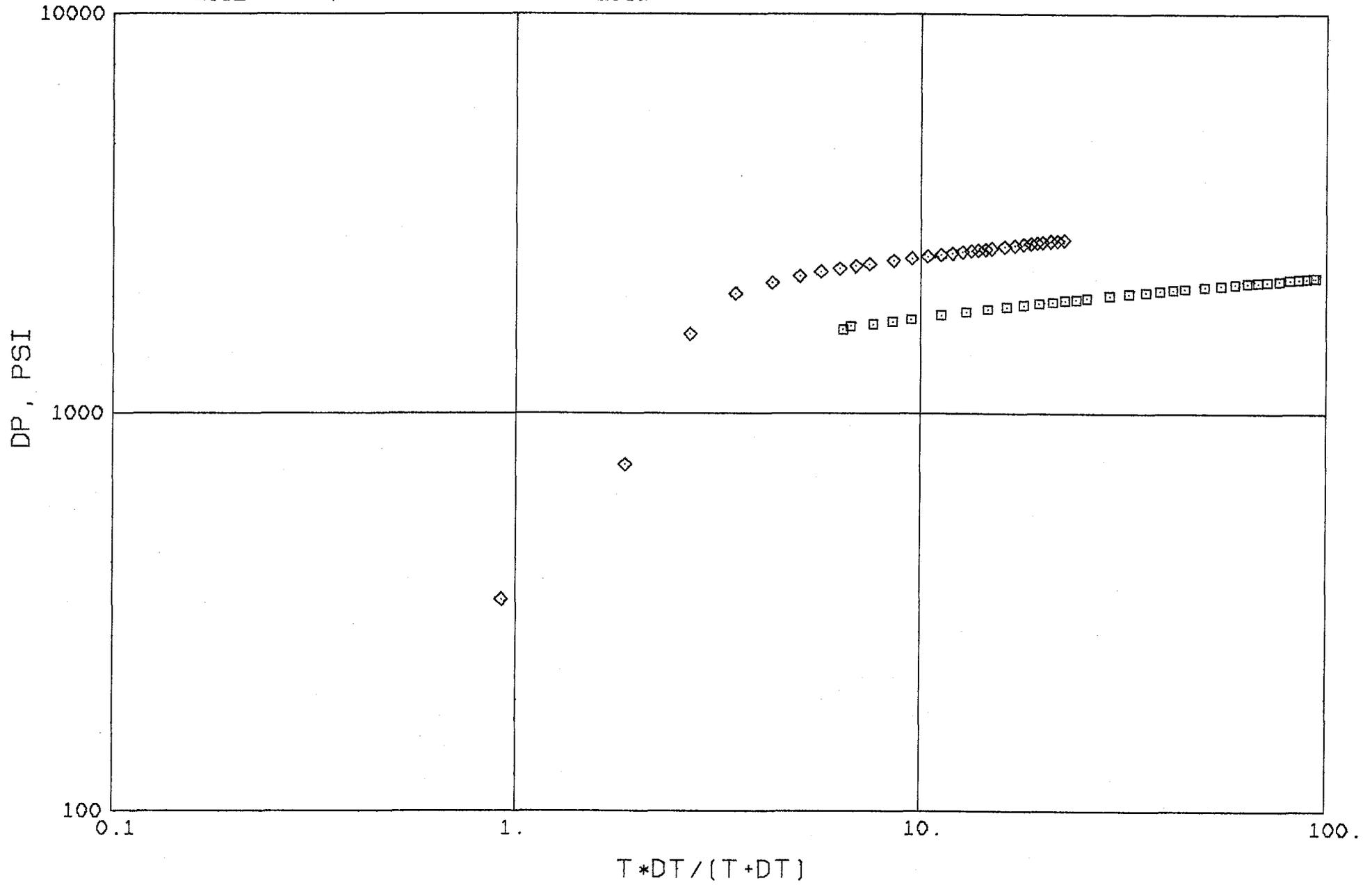
LEGEND :
 CHOKE CHANGE
 REMARKS :

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4932.0	
4		FLEX WEIGHT.....	4.500	2.764	182.0	
3		DRILL COLLARS.....	6.250	2.750	547.0	
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0	5661.0
3		DRILL COLLARS.....	6.250	2.750	93.0	
5		CROSSOVER.....	6.000	3.000	1.0	
13		DUAL CIP SAMPLER.....	5.030	0.870	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5767.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	5769.0
15		JAR.....	5.030	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	5784.0
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	5790.0
20		FLUSH JOINT ANCHOR.....	5.750	3.000	18.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	5811.0
TOTAL DEPTH					5814.0	

EQUIPMENT DATA

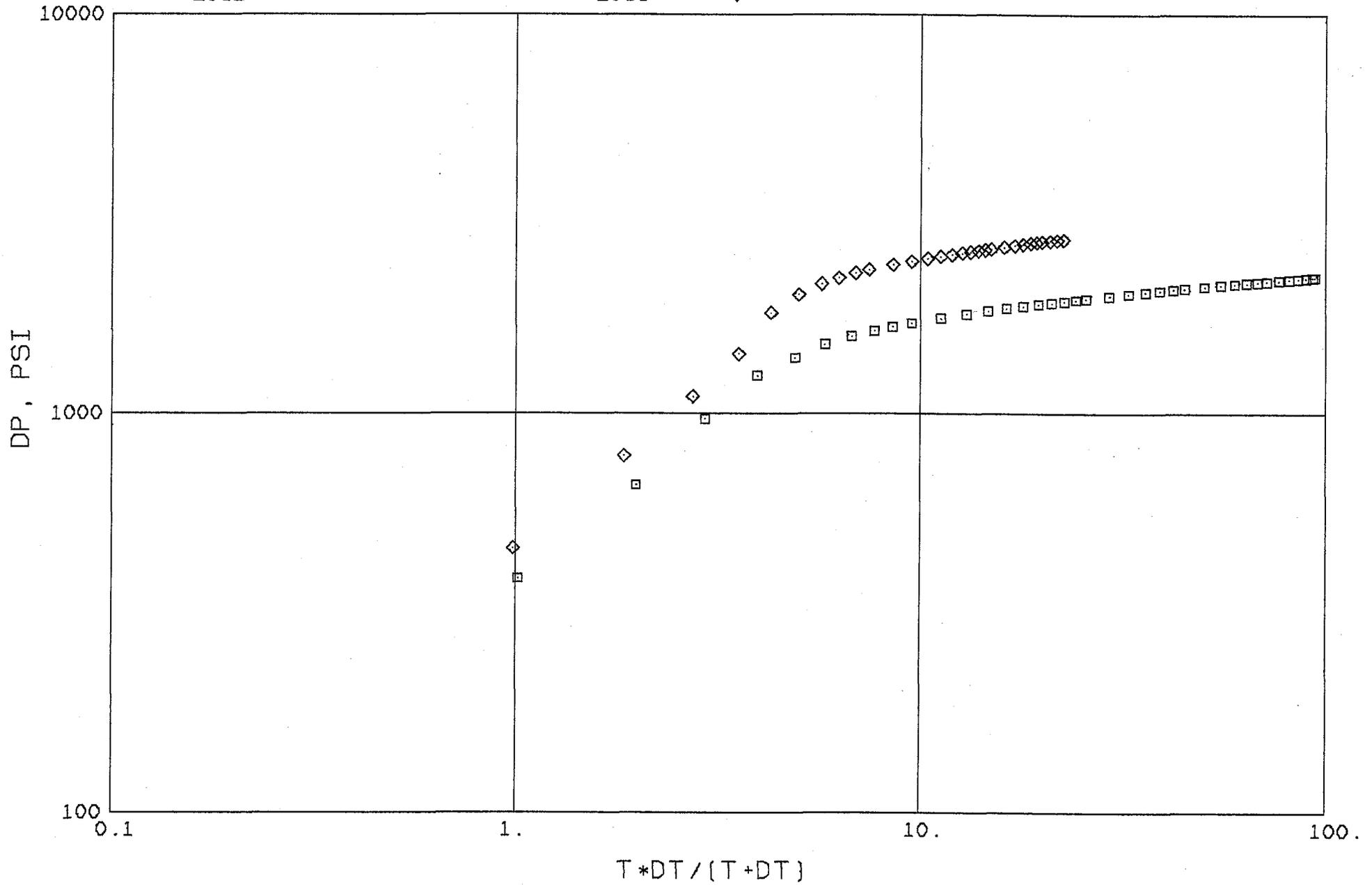
GAUGE NO CIP 1 2
2032 ◇ □

GAUGE NO CIP 1 2
2033 ◇ □



GAUGE NO CIP 1 2
2032

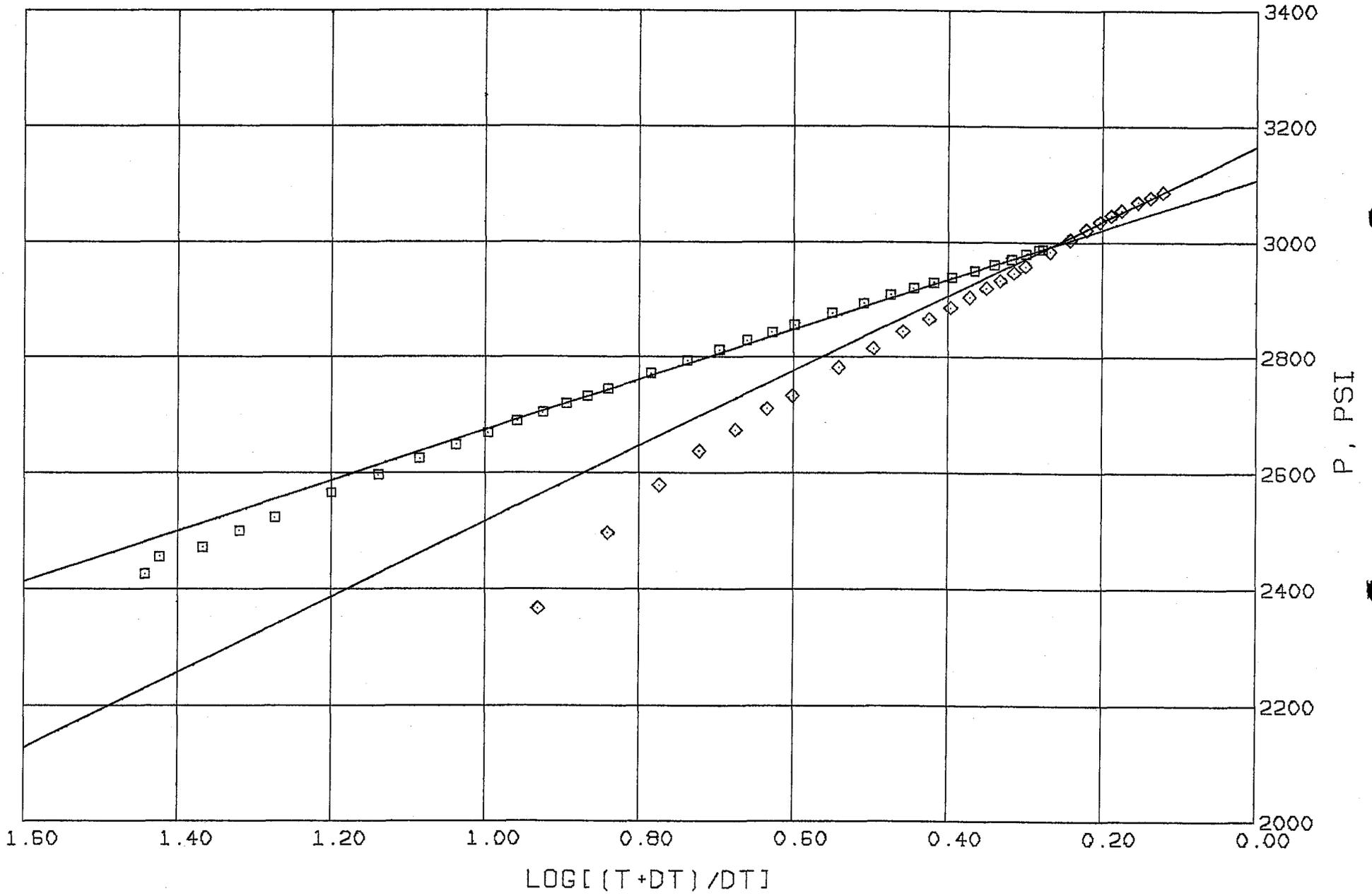
GAUGE NO CIP 1 2
2033 \diamond \square



TICKET NO 71193600

GAUGE NO CIP 1 2
2032 ◇ □

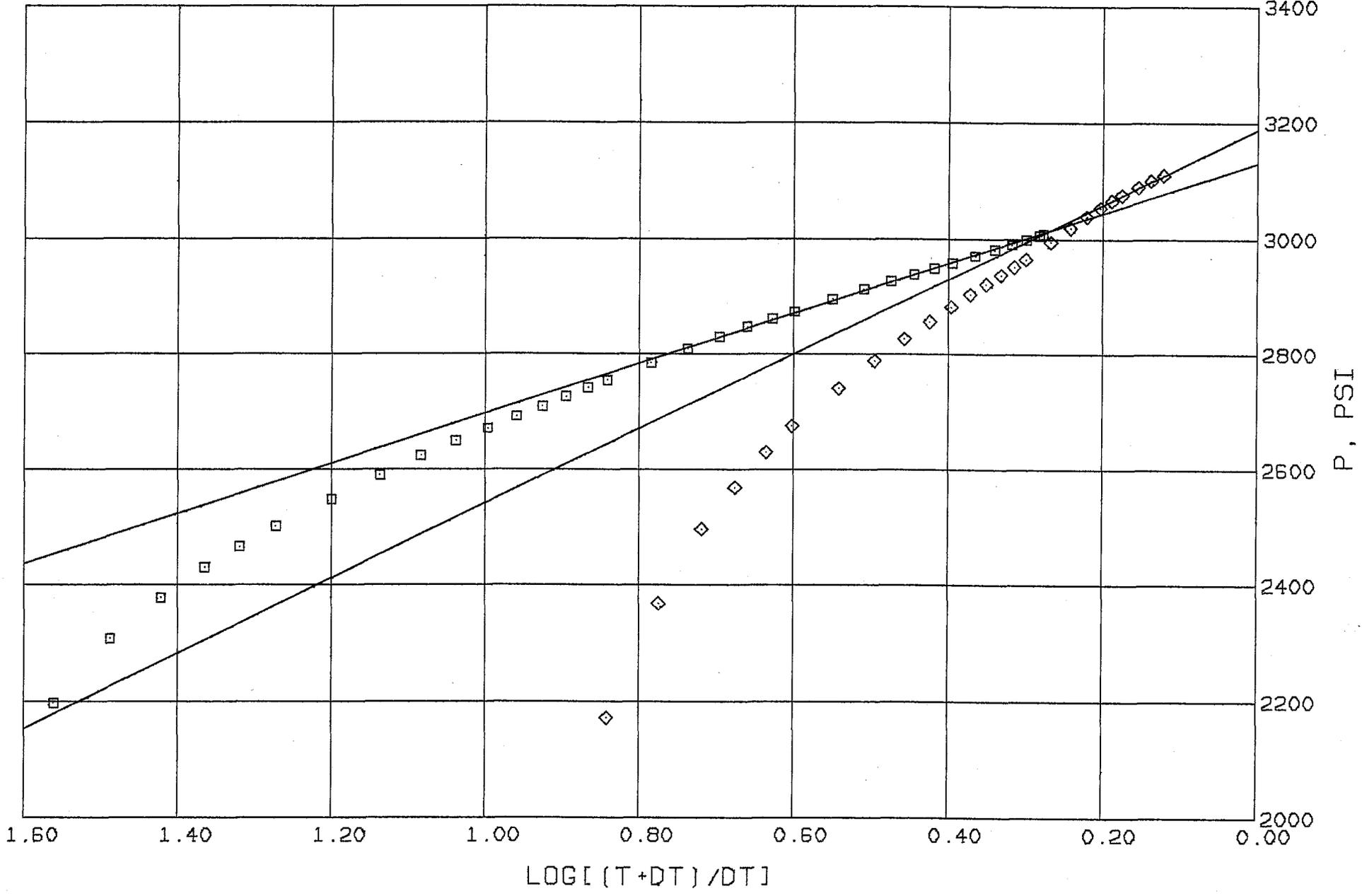
GAUGE NO CIP 1 2
2033 □



TICKET NO 71193600

GAUGE NO CIP 1 2
2032

GAUGE NO CIP 1 2
2033 \diamond \square



SUMMARY OF RESERVOIR PARAMETERS USING HORNER METHOD FOR LIQUID WELLS

OIL GRAVITY <u>44.5</u> °API@60 °F	WATER SALINITY <u>0.0</u> % SALT
GAS GRAVITY <u>0.700</u>	FLUID GRADIENT <u>0.3484</u> psi/ft
GAS/OIL RATIO <u>166.5</u> SCF/STB	FLUID PROPERTIES AT <u>3131.7</u> psig
TEMPERATURE <u>130.0</u> °F	VISCOSITY <u>1.574</u> cp
NET PAY <u>12.0</u> ft	FMT VOL FACTOR <u>1.116</u> R _{vol} /S _{vol}
POROSITY <u>10.0</u> %	SYSTEM COMPRESSIBILITY <u>6.18</u> × 10 ⁻⁶ vol/vol/psi
PIPE CAPACITY FACTORS <u>0.00735</u> <u>0.00742</u> <u>0.01422</u>	

GAUGE NUMBER	2032	2032	2033	2033			
GAUGE DEPTH	5769.0	5769.0	5811.0	5811.0			
FLOW AND CIP PERIOD	1	2	1	2			UNITS
FINAL FLOW PRESSURE P _f	377.5	805.4	390.8	821.8			psig
TOTAL FLOW TIME t	29.8	178.2	29.8	178.2			min
EXTRAPOLATED PRESSURE P*	3165.0	3108.3	3188.3	3131.7			psig
ONE CYCLE PRESSURE	2516.0	2673.8	2540.8	2697.1			psig
PRODUCTION RATE Q		175.3		175.3			BPD
TRANSMISSIBILITY kh/μ		73.2		73.2			md-ft cp
FLOW CAPACITY kh		115.137		115.137			md-ft
PERMEABILITY k		9.59477		9.59477			md
SKIN FACTOR S		0.1		0.1			
DAMAGE RATIO DR		1.0		1.0			
POTENTIAL RATE Q ₁		178.4		178.9			BPD
RADIUS OF INVESTIGATION r _i		173.3		173.3			ft

REMARKS: CALCULATION RESULTS ARE RELATIVE TO OIL. THE PRODUCTION RATE WAS DETERMINED FROM THE TOTAL REPORTED AMOUNT OF OIL RECOVERY. TOTAL RECOVERY WAS 27.001 BBLS, WITH 21.953 BBLS (81.4 %) BEING MUD AND GAS CUT OIL. THE RESULTS SHOULD BE CONSIDERED QUESTIONABLE DUE TO THE CHANGING FLOW RATE JUST BEFORE SHUT-IN, AS EVIDENCED BY THE CHANGING BOTTOM HOLE PRESSURE DUE TO THE CHOKE CHANGE.

THE EXTRAPOLATION OF THE FIRST AND SECOND CLOSED-IN PERIOD DATA SHOW A POSSIBLE LOSS OF RESERVOIR ENERGY (DEPLETION) DURING THE TEST. HOWEVER, THE SURFACE FLOW PRESSURE HAD STABILIZED AT 130 PSI FOR 50 MIN. DURING THE SECOND FLOW PRIOR TO THE CHOKE CHANGE. THIS TENDS TO INDICATE THE WELL IS NOT LOSING ENERGY, AS DEPLETING WELLS USUALLY SHOW A LOSS OF PRODUCTIVITY DURING THE FLOWS.

NOTICE: THESE CALCULATIONS ARE BASED UPON INFORMATION FURNISHED BY YOU AND TAKEN FROM DRILL STEM PRESSURE CHARTS, AND ARE FURNISHED YOU FOR YOUR INFORMATION. IN FURNISHING SUCH CALCULATIONS AND EVALUATIONS BASED THEREON, HALLIBURTON IS MERELY EXPRESSING ITS OPINION. YOU AGREE THAT HALLIBURTON MAKES NO WARRANTY EXPRESS OR IMPLIED AS TO THE ACCURACY OF SUCH CALCULATIONS OR OPINIONS, AND THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DUE TO NEGLIGENCE OR OTHERWISE, IN CONNECTION WITH SUCH OPINIONS.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for

RECEIVED
JAN 17 1989

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Celsius Energy Company

3. ADDRESS OF OPERATOR

P. O. Box 458, Rock Springs, Wyoming 82902

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

643' FEL, 2108' FSL, NE SE

14. PERMIT NO.

43-037-31455

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

GR 5461'

5. LEASE DESIGNATION AND SERIAL NO

U-44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cedar

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

34-37S-25E, SLB&M

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) Supplemental History

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TD 5873'

Landed 9-5/8", 36#, K-55, 8rd ST&C casing at 1663.77' KBM or 13.00' below KB. Circulated casing with rig pump for 30 minutes. Cemented casing with 333 sacks 35/65 Dowell Light cement treated with 6% Gel, 2% S-1 and 1/4#/sack D-24 tailed in with 231 sacks Class "G" cement treated with 3% S-1 and 1/4#/sack D-29. Good returns while cementing, did not return cement to surface. Ran 60' one-inch pipe down back side of 9-5/8" casing. Pumped 100 sacks Class "G" treated with 3% CaCl₂ or S-1 cement to surface, let cement set 2 hours. Cement fell down hole. Rigged up and pumped 50 sacks cement with 3% CaCl₂ down back side of casing. Cement stayed in place. Cement in place at 4:45 am 12-31-88. Bumped casing plug to 1500 psi, 600 psi over pumping pressure, plug held okay.

Ran 5-1/2" OD, 17# LT&C Casing to approx. 5866.67' KBM, details to follow.

Waiting on Completion.

Rig Released 8:00 pm 1-12-89.

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

SIGNED

Lee Martin

TITLE Drilling Superintendent

DATE 1/13/89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

JP

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Place instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Business Agreement No. 1005

5. LEASE DESIGNATION AND SERIAL NO.

U-44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. WELL TYPE
OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with applicable State requirements.
See also space 17 below.)
At surface

643' FEL, 2018' FSL, NE SE

RECEIVED
FEB 24 1989

DIVISION OF
OIL, GAS & MINING

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cedar

9. WELL NO.

1

10. FIELD AND POOL OR WILDCAT

Undesignated

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

34-37S-25E, SLB&M

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

14. PERMIT NO.

43-037-31455

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

5461' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Initial Production

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE DRIVEN OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pursuant to the telephone notice from C. J. Flansburg of Celsius Energy Company to Dale Manchester on February 13, 1989, this is to inform you that 108.23 barrels of oil was sold from the above captioned well on February 11, 1989. The oil sale constitutes first production from this well.

Presently the well is in the process of being completed. A completion report will be filed as soon as completion operations are completed.

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

SIGNED

A.R. Ogden

TITLE

District Manager

DATE

2/21/89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

ed

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved
Budget Bureau No. 1004-0135
Revision August 21, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any special requirements. See also space 17 below.)
At surface
643' FEL, 2108' FSL, NE SE

14. PERMIT NO.
43-037-31455

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 5461'

RECEIVED
FEB 24 1989

DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cedar

9. WELL NO.
1

10. FIELD AND POOL OR WILD CAT
Undesignated

11. SEC. T., E., N., OR BLK. AND SURVEY OR AREA
34-37S-25E, SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) 30-Day Test <input checked="" type="checkbox"/>	X <input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above captioned well was completed on February 17, 1989. The well was perforated in the Desert Creek formation at 5791 - 5796 feet KBM and subsequently acidized with 6000 gallons of foamed 28-percent HCL. The well was then swab tested for two days and indicated that the well was swabbing approximately 14 BFPH (8.9 BOPH and 5.14 BWPH). Because the well was being swabbed to a tank, the gas volume was unknown.

Celsius Energy Company requests a 30-day pump test to further evaluate the well. During this pump test, it is estimated that the well will initially produce approximately a maximum rate of 200 BOPD and 123 BWPD. Based on the GOR established from the open hole DST (1100 SCF/BBL), it is estimated that 220 MCFPD will be vented. Depending on the inflow performance, the production rate may decline during the pump test period, which will result in the gas volumes decreasing. The water production will be disposed in the Patterson salt water disposal facility. The production results will be reported on a subsequent Sundry Notice at the end of the 30-day period.

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

SIGNED H.K. Ogden TITLE District Manager DATE 2/21/89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

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

DATE: 3-6-89
BY: John R. Buser

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

9

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 643' FEL, 2108' FSL, NE SE
At top prod. interval reported below
At total depth

RECEIVED
MAR 01 1989
DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cedar

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

34-37S-25E, SLB&M

12. COUNTY OR PARISH

San Juan Utah

13. STATE

14. PERMIT NO. 43-037-31455 DATE ISSUED 9-27-88

15. DATE SPUNDED 12/27/88 16. DATE T.D. REACHED 1/11/89 17. DATE COMPL. (Ready to prod.) 2/18/89

18. ELEVATIONS (OF. RKB, RT, GR, ETC.)* 5474' KBM 19. ELEV. CASINGHEAD 5461'

20. TOTAL DEPTH, MD & TVD 5873' KBM 21. PLUG. BACK T.D., MD & TVD 5824.44' KBM 22. IF MULTIPLE COMPL. HOW MANY* NA 23. INTERVALS DRILLED BY Rotary Tools CABLE TOOLS Yes

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Desert Creek 5790-5814' KBM

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
SD-DSN, Sonic, DIL-SGL, CBL-VDL

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
9-5/8"	36# K-55	1663.77'	12-1/4"	564 Sacks	None
5-1/2"	17# K-55	5866.67'	7-7/8"	635 Sacks	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	5798.23'	NA

31. PERFORATION RECORD (Interval, size and number)
5791-5796', 4 SPF, .3" holes, 4" casing guns.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5791-5796'	200 gal Xylene, 6000 gallons foamed 28% HCL acid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
2-22-89	Pumping, Rod Pump 2" X 1-1/2" X 18'	Producing					
DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-26-89	23	NA	→	41	108	51	2634 SCF/bbl
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
35	30	→	43	113	53	44.5°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel and vented.

TEST WITNESSED BY
D. E. Nelson

35. LIST OF ATTACHMENTS
Formation tops, DST Reports

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

SIGNED [Signature] TITLE District Manager DATE February 27, 1989

*(See Instructions and Spaces for Additional Data 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, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC.

See attached.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTC	SLS
1-TAS	
	3-AST
2-	MICROFILM
4-	FILE

38. GEOLOGIC MARKERS

NAME MEAS. DEPTH TOP TRUE VERT. DEPTH

Morrison	Surface	
Shinarump	2392'	
Cutler	2553'	
Honaker Trail	4387'	
Paradox	4952'	
Ismay	5512'	
Lower Ismay	5717'	
Desert Creek	5773'	
Desert Creek		
Porosity	5790'	
Chimney Rock		
Shale	5816'	
Akah	5838'	

Cedar Well No. 1
Celsius Energy Company
U-44822

DST No. 1

5540-5585' - Ismay - IO 30 min, ISI 60 min, FO 120 min, FSI 270 min, open weak to 1 psi in 5 min, NGTS, reopened weak to 2 psi in 5 min. Recovered 274' gas and water cut mud, trace of oil. Sample chamber recovered 1900 cc water, .011 CFG. IHHP 2676, IOF 27-80 psi, ISIP 2228 psi, FOF 107-267 psi, FSIP 2281, BHT 130 degrees F.

DST No. 2

5789-5813' - Desert Creek - IO 30, ISI 90 min, FO 150 min, FSI 199 min, opened weak increased to bottom of a bucket in 5 min. 20 psi in 5 min, 40 psi in 10 min, 60 psi in 15 min, 75 psi in 20 min, 90 psi in 25 min, 105 psi in 30 min, GTS after shut-in. Reopened.

<u>Time (min)</u>	<u>DP Pressure</u>	<u>Gas Volume</u>	<u>Choke</u>
10	40	77	1/4"
20	73	122	
30	92	150	
40	109	175	
50	120	190	
60	125	200	
75	130	205	
90	130	205	
105	130	205	
120	130	205	
130	30	290	1/2"
140	20	215	
150	15	195	

Recovered 200' gas, water and oil cut mud, 300' of 10.2 ppg water, 1800' oil, 44.5 degree API gravity. Sample chamber recovered 1100 cc oil, 300 cc water, 1.154 cuft gas. IHHP 3423 psi, IOF 131-395 psi, ISIP 3078 psi, FFP 263-697 psi, FSIP 2972 psi, BHT 130 degrees F.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

9

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
643' FEL, 2108' FSL, NE SE

14. PERMIT NO. 43-037-31455

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 5461'

RECEIVED
APR 03 1989
DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cedar

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
34-37S-25E, SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Test</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On February 22, 1989, the above captioned well began a 30-day production test. During this time period, the well produced a total of 761 barrels of oil, 2019 MCF and 1,158 barrels of water. The final pumping rate was 17.5 barrels oil per day, 57.3 MCFPD and 35.2 barrels of water per day. Currently the well is shut-in pending evaluation of pressure transient information. A decision will be made to re-establish production or abandon the well.

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

SIGNED [Signature] TITLE District Manager DATE 3-31-89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.*
See also space 17 below.)
At surface
643' FEL, 2108' FSL, NE SE

14. PERMIT NO. 43-037-31455

15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 5461'

RECEIVED
MAY 03 1989

DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cedar

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
34-37S-25E, SLB&M

12. COUNTY OR PARISH 13. STATE
San Juan Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Cedar Unit Well No. 1, completed February 18, 1989, is productive from a perforated Desert Creek interval of 5791-5796' KBM. Gross productive Desert Creek Porosity is estimated at 15' (5791-5806' KBM).

Estimated future production performance is based on the trend established during the 30 day test conducted February 24 - March 24, 1989. Cumulative test production is estimated to be 761 STBO, 2019 MCFG and 1158 BW. Oil production declined during the test period from an initial rate of 50 STBPD to 15 STBPD.

A build up survey was run at the end of the test to check reservoir pressure depletion. A maximum bottom hole pressure of 1917 psig was recorded after thirteen days. This compares with initial reservoir pressure of 3150 psig. Reservoir Engineering estimates ultimate oil production from the well will be less than 5,000 barrels.

The installation of a pipeline would entail approximately 6600' of 3-1/2" OD pipe to deliver natural gas to our existing pipeline in the Patterson Area (Patterson Unit No. 9). The cost to install this pipeline would be approximately \$66,000.00. In addition to the pipeline expenditure an estimated \$33,455.00 is needed to complete the existing production facility.

Based on our analysis the well is unable to generate sufficient revenues to justify the installation of a gas pipeline and permanent facilities. Attached for your review are economic forecasts showing gas sales and gas flared scenarios.

Celsius Energy requests authorization to return the well to producing status and vent

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

SIGNED G. J. Wingo TITLE District Manager DATE April 27, 1989

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

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

DATE: 5-26-89
BY: John R. Bay

*See Instructions on Reverse Side

Federal approval of this action
is required before commencing
operations.

UTAH DIVISION OF OIL, GAS AND MINING
CONDITIONS OF APPROVAL FOR GAS VENTING OR FLARING

Celsius Energy Company
Cedar #1 Well
Section 34, T. 37S, R. 25E
San Juan County, Utah
May 26, 1989

Reference document: Sundry notice dated April 27, 1989

Refer to Rule R615-3-20, Gas Flaring and Venting, of the Utah Oil and Gas Conservation General Rules revised March 1989.

1. A maximum volume of 1800 MCF of gas may be flared or vented from the subject well on a monthly basis at any time without approval.
2. Gas may be vented or flared from the subject well during periods of line failures, equipment malfunctions, blowouts, fires, or other emergencies if shutting in or restricting production from the well would cause waste or create adverse impact on the well or producing reservoir. The operator shall provide immediate notification to the Division in all such cases in accordance with Rule R615-3-35, Reporting of Undesirable Events. Upon notification, the Division shall determine if gas venting or flaring is justified and specify any additional conditions of approval as necessary.
3. Gas may be flared or vented from the subject well during periods of well purging or evaluation tests not exceeding a period of 24 hours or a maximum of 144 hours per month. The operator shall provide subsequent written notification to the Division in all such cases.
4. In the operator desires to flare or vent a greater amount of produced gas than allowed by Rule R615-3-20, the operator must submit a Request for Agency Action to the board to be considered as a formal board docket item. The request should address the itemized list of topics identified in the rule.

OI58/83

SUBJECT:
WELL ECONOMICS
CEDAR UNIT NO. 1
DESERT CO. FL

LOCATION:
SERIES 2- 300-04E
FIELD:
CEDAR UNIT
COUNTY, STATE:
SAN JUAN, UTAH

REMARKS:
THESE ECONOMICS SERVE AS
PAYING WELL DET. AND
PERMITTING FACILITY
ECONOMICS
(assume gas flared)

MONTH	WELL COUNT	GROSS PRODUCTION	
		BOE OIL	MCF GAS
1		632	0
2		458	0
3		3283	0
4		276	0
5		0	0
6		0	0
7		0	0
8		0	0
9		0	0
10		0	0
11		0	0
12		0	0
13		0	0
14		0	0
15		0	0
TOT		2066	0

MONTH	NET PRODUCTION	
	BOE OIL	MCF GAS
1	586	0
2	360	0
3	2583	0
4	221	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
TOT	1633	0

MONTH	PRICE	
	OIL	GAS
1	12.05	1.00
2	12.05	1.00
3	12.05	1.00
4	12.05	1.00
5	12.05	1.00
6	12.05	1.00
7	12.05	1.00
8	12.05	1.00
9	12.05	1.00
10	12.05	1.00
11	12.05	1.00
12	12.05	1.00
13	12.05	1.00
14	12.05	1.00
15	12.05	1.00
TOT	2066	0

MONTH	NET SALES INCOME (less sev. tax)		TOTAL \$
	OIL \$	GAS \$	
1	8430	0	8430
2	5487	0	5487
3	3344	0	3344
4	4543	0	4543
5	3861	0	3861
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
TOT	20665	0	20665

MONTH	EXPENSES				
	AD W/LDR	WFP-TAX	OPER	G & A	TOTAL
1	397	0	4000	0	4397
2	283	0	4000	0	4283
3	518	0	4000	0	4518
4	284	0	4000	0	4284
5	173	0	4000	0	4173
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
TOT	1297	0	20000	0	21297

MONTH	NET INVESTMENT	
	WELLS	TOTAL
1	33435	33435
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
TOT	33435	33435

MONTH	NET CASH FLOW	
	MONTHLY	CUMUL.
1	-29821	-29821
2	2985	-27836
3	1104	-26732
4	339	-26393
5	-312	-26705
6	0	-26705
7	0	-26705
8	0	-26705
9	0	-26705
10	0	-26705
11	0	-26705
12	0	-26705
13	0	-26705
14	0	-26705
15	0	-26705
TOT	-25886	-25886

MONTH	DISC. NET CASH FLOW	
	MONTHLY	CUMUL.
1	-29821	-29821
2	2985	-27836
3	1104	-26732
4	339	-26393
5	-312	-26705
6	0	-26705
7	0	-26705
8	0	-26705
9	0	-26705
10	0	-26705
11	0	-26705
12	0	-26705
13	0	-26705
14	0	-26705
15	0	-26705
TOT	-25886	-25886

	OIL	GAS
MONTHLY INTEREST \$	100.00	100.00
NET REVENUE INTEREST \$	80.00	80.00
DISC. REVENUE	2066 stb	0 stb
NET REVENUE	1633 stb	0 stb
DISC. WELL COUNT	0	1.00
NET WELL COUNT	0	1.00

ECONOMIC CRITERIA	
PAYOUT	129 NOR.
NET REVENUE - \$	27569
NET OP. INCOME - \$	7269
NET PROFIT - \$	-25886
PROFIT / INVESTMENT	-0.774
DISC. PROFIT / INVESTMENT	-0.774
RETURN ON INVEST.	0.000
NET PREL. WEL. (14.3%) - \$	-25886
RATE OF RETURN	15.00 %

MONTH	WELL COUNT	GROSS PRODUCTION		NET PRODUCTION		PRICE		NET SALES INCOME (less sev. tax)		
		BBL OIL	MCF GAS	BBL OIL	MCF GAS	OIL	GAS	OIL \$	GAS \$	TOTAL \$
MONTH 1	1	632	1500	506	1200	18.25	1.00	8830	1148	9979
MONTH 2	1	450	1500	360	1200	18.25	1.00	6287	1148	7436
MONTH 3	1	383	1500	306	1200	18.25	1.00	5344	1148	6493
MONTH 4	1	325	1500	260	1200	18.25	1.00	4543	1148	5691
MONTH 5	1	276	1500	221	1200	18.25	1.00	3861	1148	5010
MONTH 6	1	235	1500	188	1200	18.25	1.00	3282	1148	4431
MONTH 7	1	200	1500	160	1200	18.25	1.00	2790	1148	3938
MONTH 8	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 9	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 10	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 11	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 12	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 13	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 14	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 15	1	0	0	0	0	18.25	1.00	0	0	0
TOT		2501	10500	2000	8400			34938	8039	42977

SUBJECT:
WELL ECONOMICS
CEDAR UNIT NO. 1
DESERT CR. FM.
LOCATION:
NE SE 34-37S-25E
FIELD:
CEDAR UNIT
COUNTY, STATE:
SAN JUAN, UTAH
REMARKS:
THESE ECONOMICS SERVE AS
PAYING WELL DET. AND
PERMANIZING FACILITY
ECONOMICS
(assumes gas sales)

MONTH	EXPENSES					NET INVESTMENT			NET CASH FLOW		DISC. NET CASH FLOW @ 0.000	
	AD VALOR	WFP-TAX	OPER	G & A	TOTAL	WELLS	LAND	TOTAL	MONTHLY	CUMUL.	MONTHLY	CUMUL.
MONTH 1	448	0	4000	0	4448	99455	0	99455	-93925	-93925	-93925	-93925
MONTH 2	334	0	4000	0	4334	0	0	0	3102	-90823	3102	-90823
MONTH 3	292	0	4000	0	4292	0	0	0	2201	-88622	2201	-88622
MONTH 4	256	0	4000	0	4256	0	0	0	1435	-87186	1435	-87186
MONTH 5	225	0	4000	0	4225	0	0	0	785	-86402	785	-86402
MONTH 6	199	0	4000	0	4199	0	0	0	231	-86170	231	-86170
MONTH 7	177	0	4000	0	4177	0	0	0	-239	-86409	-239	-86409
MONTH 8	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 9	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 10	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 11	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 12	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 13	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 14	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 15	0	0	0	0	0	0	0	0	0	-86409	0	-86409
TOT	1931	0	20000	0	29931	99455	0	99455	-86409	-86409	-86409	-86409

	OIL	GAS	ECONOMIC CRITERIA	
WORKING INTEREST %	100.00	100.00	PAYOUT	NO PAYOUT
NET REVENUE INTEREST %	88.00	88.00	NET REVENUE - \$	41046
GROSS RESERVE	2501 stb	10500 mcf	NET OP INCOME - \$	13046
NET RESERVE	2000 stb	8400 mcf	NET PROFIT - \$	-86409
GROSS WELL COUNT	1	1.00	PROFIT / INVESTMENT	-0.869
NET WELL COUNT	1	1.00	DISC. PROFIT / INVESTMENT	-0.869
			RETURN ON INVEST.	0.131
			NET PRES. VAL. (14.5%)- \$	-86409
			RATE OF RETURN	NA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDY NOTICES AND REPORTS ON WELLS

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1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements. See also space 17 below.)
At surface
643' FEL, 2108' fSL, NE SE

RECEIVED
MAY 08 1989

DIVISION OF
OIL, GAS & MINING

14. PERMIT NO.
43-037-31455

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 5461'

5. LEASE DESIGNATION AND SERIAL NO.
U-44822
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cedar
9. WELL NO.
1
10. FIELD AND POOL, OR WILDCAT
Undesignated
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
34-37S-25E, SLB&M
12. COUNTY OR PARISH
San Juan
13. STATE
Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *Cedar Unit Well No. 1, completed February 18, 1989, is productive from a perforated Desert Creek interval of 5791-5796' KBM. Gross productive Desert Creek Porosity is estimated at 15' (5791-5806' KBM).

Estimated future production performance is based on the trend established during the 30 day test conducted February 24 - March 24, 1989. Cumulative test production is estimated to be 761 STBO, 2019 MCFG and 1158 BW. Oil production declined during the test period from an initial rate of 50 STBPD to 15 STBPD.

A build up survey was run at the end of the test to check reservoir pressure depletion. A maximum bottom hole pressure of 1917 psig was recorded after thirteen days. This compares with initial reservoir pressure of 3150 psig. Reservoir Engineering estimates ultimate oil production from the well will be less than 5,000 barrels.

The installation of a pipeline would entail approximately 6600' of 3-1/2" OD pipe to deliver natural gas to our existing pipeline in the Patterson Area (Patterson Unit No. 9). The cost to install this pipeline would be approximately \$66,000.00. In addition to the pipeline expenditure an estimated \$33,455.00 is needed to complete the existing production facility.

Based on our analysis the well is unable to generate sufficient revenues to justify the installation of a gas pipeline and permanent facilities. Attached for your review are economic forecasts showing gas sales and gas flared scenarios.

Celsius Energy Company requests a 6-month extension on the APD stipulation to surface the access road upon establishment of production.

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

SIGNED *[Signature]*

TITLE District Manager

DATE May 4, 1989

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

SUBJECT: WELL ECONOMICS
 CEDAR UNIT NO. 1
 DEBERT CL. FL.
 LOCATION: SEGENE 2- 300-24E
 FIELD: CEDAR UNIT
 COUNTY, STATE: SAN JUAN, UTAH
 REMARKS:
 THESE ECONOMICS SERVE AS
 PAYING WELL DET. AND
 PERMITTING FACILITY
 ECONOMICS
 (assume gas flared)

MONTH	WELL COUNT	GROSS PRODUCTION	
		BOE OIL	MCF GAS
MONTH 1		278	0
MONTH 2		278	0
MONTH 3		278	0
MONTH 4		278	0
MONTH 5		278	0
MONTH 6		278	0
MONTH 7		278	0
MONTH 8		278	0
MONTH 9		278	0
MONTH 10		278	0
MONTH 11		278	0
MONTH 12		278	0
MONTH 13		278	0
MONTH 14		278	0
MONTH 15		278	0
TOT		2066	0

MONTH	NET PRODUCTION	
	BOE OIL	MCF GAS
MONTH 1	256	0
MONTH 2	256	0
MONTH 3	256	0
MONTH 4	256	0
MONTH 5	256	0
MONTH 6	256	0
MONTH 7	256	0
MONTH 8	256	0
MONTH 9	256	0
MONTH 10	256	0
MONTH 11	256	0
MONTH 12	256	0
MONTH 13	256	0
MONTH 14	256	0
MONTH 15	256	0
TOT	1633	0

MONTH	PRICE	
	OIL \$	GBP
MONTH 1	12.00	1.00
MONTH 2	12.00	1.00
MONTH 3	12.00	1.00
MONTH 4	12.00	1.00
MONTH 5	12.00	1.00
MONTH 6	12.00	1.00
MONTH 7	12.00	1.00
MONTH 8	12.00	1.00
MONTH 9	12.00	1.00
MONTH 10	12.00	1.00
MONTH 11	12.00	1.00
MONTH 12	12.00	1.00
MONTH 13	12.00	1.00
MONTH 14	12.00	1.00
MONTH 15	12.00	1.00
TOT	2066	0

MONTH	NET SALES INCOME (less sev. tax)		TOTAL \$
	OIL \$	GBP \$	
MONTH 1	8430	0	8430
MONTH 2	6287	0	6287
MONTH 3	2344	0	2344
MONTH 4	4543	0	4543
MONTH 5	3661	0	3661
MONTH 6	0	0	0
MONTH 7	0	0	0
MONTH 8	0	0	0
MONTH 9	0	0	0
MONTH 10	0	0	0
MONTH 11	0	0	0
MONTH 12	0	0	0
MONTH 13	0	0	0
MONTH 14	0	0	0
MONTH 15	0	0	0
TOT	2066	0	2066

MONTH	NO WELLS	EXPENSES			TOTAL
		WPT-TAX	OPER	G & A	
MONTH 1	297	0	4000	0	4297
MONTH 2	283	0	4000	0	4283
MONTH 3	248	0	4000	0	4248
MONTH 4	224	0	4000	0	4224
MONTH 5	172	0	4000	0	4172
MONTH 6	0	0	0	0	0
MONTH 7	0	0	0	0	0
MONTH 8	0	0	0	0	0
MONTH 9	0	0	0	0	0
MONTH 10	0	0	0	0	0
MONTH 11	0	0	0	0	0
MONTH 12	0	0	0	0	0
MONTH 13	0	0	0	0	0
MONTH 14	0	0	0	0	0
MONTH 15	0	0	0	0	0
TOT	1297	0	20000	0	21297

MONTH	NET INVESTMENT	
	WELLS	TOTAL
MONTH 1	33435	33435
MONTH 2	0	0
MONTH 3	0	0
MONTH 4	0	0
MONTH 5	0	0
MONTH 6	0	0
MONTH 7	0	0
MONTH 8	0	0
MONTH 9	0	0
MONTH 10	0	0
MONTH 11	0	0
MONTH 12	0	0
MONTH 13	0	0
MONTH 14	0	0
MONTH 15	0	0
TOT	33435	33435

MONTH	NET CASH FLOW	
	MONTHLY	CUMUL.
MONTH 1	-29021	-29021
MONTH 2	2065	-27956
MONTH 3	1104	-26852
MONTH 4	339	-26513
MONTH 5	-312	-26825
MONTH 6	0	-26825
MONTH 7	0	-26825
MONTH 8	0	-26825
MONTH 9	0	-26825
MONTH 10	0	-26825
MONTH 11	0	-26825
MONTH 12	0	-26825
MONTH 13	0	-26825
MONTH 14	0	-26825
MONTH 15	0	-26825
TOT	-25086	-25086

MONTH	BIRC. NET CASH FLOW		TOTAL
	MONTHLY	CUMUL.	
MONTH 1	-29021	-29021	-29021
MONTH 2	2065	-27956	-27956
MONTH 3	1104	-26852	-26852
MONTH 4	339	-26513	-26513
MONTH 5	-312	-26825	-26825
MONTH 6	0	-26825	-26825
MONTH 7	0	-26825	-26825
MONTH 8	0	-26825	-26825
MONTH 9	0	-26825	-26825
MONTH 10	0	-26825	-26825
MONTH 11	0	-26825	-26825
MONTH 12	0	-26825	-26825
MONTH 13	0	-26825	-26825
MONTH 14	0	-26825	-26825
MONTH 15	0	-26825	-26825
TOT	-25086	-25086	-25086

	OIL	GBP
WORKING INTEREST %	100.00	100.00
NET REVENUE INTEREST %	00.00	00.00
GROSS RESERVE	2066 stb	0 mcf
NET RESERVE	1633 stb	0 mcf
GROSS WELL COUNT	0	1.00
NET WELL COUNT	0	1.00

ECONOMIC CRITERIA	
PAYOUT	100 MO.
NET REVENUE - \$	27283
NET OP. INCOME - \$	7283
NET PROFIT - \$	-25086
PROFIT / INVESTMENT	-0.774
BIRC. PROFIT / INVESTMENT	-0.774
RETURN ON INVEST.	0.000
NET PRESENT VALUE (14.5%) - \$	-25086
RATE OF RETURN	15.00 %

MONTH	WELL COUNT	GROSS PRODUCTION		NET PRODUCTION		PRICE		NET SALES INCOME (less sev. tax)		
		BBL OIL	MCF GAS	BBL OIL	MCF GAS	OIL	GAS	OIL \$	GAS \$	TOTAL \$
MONTH 1	1	632	1500	506	1200	18.25	1.00	8830	1148	9979
MONTH 2	1	450	1500	360	1200	18.25	1.00	6287	1148	7436
MONTH 3	1	383	1500	306	1200	18.25	1.00	5344	1148	6493
MONTH 4	1	325	1500	260	1200	18.25	1.00	4543	1148	5691
MONTH 5	1	276	1500	221	1200	18.25	1.00	3861	1148	5010
MONTH 6	1	235	1500	188	1200	18.25	1.00	3282	1148	4431
MONTH 7	1	200	1500	160	1200	18.25	1.00	2790	1148	3938
MONTH 8	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 9	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 10	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 11	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 12	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 13	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 14	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 15	1	0	0	0	0	18.25	1.00	0	0	0
TOT		2501	10500	2000	8400			34938	8039	42977

SUBJECT:
WELL ECONOMICS
CEDAR UNIT NO. 1
DESERT CR. FM.
LOCATION:
NE SE 34-37S-25E
FIELD:
CEDAR UNIT
COUNTY, STATE:
SAN JUAN, UTAH
REMARKS:
THESE ECONOMICS SERVE AS
PAYING WELL DET. AND
PERMANENTIZING FACILITY
ECONOMICS
(assumes gas sales)

MONTH	EXPENSES					NET INVESTMENT			NET CASH FLOW		DISC. NET CASH FLOW @ 0.000	
	AD VALOR	MFP-TAX	OPER	G & A	TOTAL	WELLS	LAND	TOTAL	MONTHLY	CUMUL.	MONTHLY	CUMUL.
MONTH 1	448	0	4000	0	4448	99455	0	99455	-93925	-93925	-93925	-93925
MONTH 2	334	0	4000	0	4334	0	0	0	3102	-90823	3102	-90823
MONTH 3	292	0	4000	0	4292	0	0	0	2201	-88622	2201	-88622
MONTH 4	256	0	4000	0	4256	0	0	0	1435	-87186	1435	-87186
MONTH 5	225	0	4000	0	4225	0	0	0	785	-86402	785	-86402
MONTH 6	199	0	4000	0	4199	0	0	0	231	-86170	231	-86170
MONTH 7	177	0	4000	0	4177	0	0	0	-239	-86409	-239	-86409
MONTH 8	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 9	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 10	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 11	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 12	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 13	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 14	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 15	0	0	0	0	0	0	0	0	0	-86409	0	-86409
TOT	1931	0	28000	0	29931	99455	0	99455	-86409	-86409	-86409	-86409

	OIL	GAS	ECONOMIC CRITERIA	
WORKING INTEREST %	100.00	100.00	PAYOUT	NO PAYOUT
NET REVENUE INTEREST %	80.00	80.00	NET REVENUE - \$	41046
GROSS RESERVE	2501 stb	10500 mcf	NET OP INCOME - \$	13046
NET RESERVE	2000 stb	8400 mcf	NET PROFIT - \$	-86409
GROSS WELL COUNT	1	1.00	PROFIT / INVESTMENT	-0.869
NET WELL COUNT	1	1.00	DISC. PROFIT / INVESTMENT	-0.869
			RETURN ON INVEST.	0.131
			NET PRES. VAL. (14.5%)- \$	-86409
			RATE OF RETURN	NA



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MAY 01 1989

LCR
DOG M 56 64 23
7/85

DIVISION OF
OIL, GAS & MINING

Page 1 of 1

PRODUCING ENTITY ACTION

Operator Name CELSIUS ENERGY CORPORATION
 Address PO BOX 11070
 City SALT LK CITY State UTAH Zip 84147
 Utah Account No. N4850
 Authorized Signature [Signature]
 Effective Date 2/1/89 Telephone (801) 530-2586

ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary.)

BRACKET WELLS TO BE GROUPED TOGETHER.

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location					Producing Formation
					Sec.	T	R	Q/Q	County	
A	10968	10968	4303731455	Cedar Well #1	34	37S	25E	NE/SE	San Juan	Desert Creek

Explanation of action: New well. 890221 entity chg. from 10960. Cedar Unit well/single entity. (5-5-89 per)

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

Explanation of action:

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Explanation of action:

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Explanation of action:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.
U-44822
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with applicable regulations. See also space 17 below.)
At surface
643' FEL, 2108' FSL, NE SE

7. UNIT AGREEMENT NAME
PATTERSON UNIT

8. FARM OR LEASE NAME
Cedar

9. WELL NO.
1

10. FIELD AND POOL OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
34-37S-25E SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. PERMIT NO.
43-037-31455

15. ELEVATIONS (Show whether DF, RT, or other)
GR 5461'

DIVISION OF OIL, GAS & MINING

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JUN 02 1989

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	Dispose of Produced Water <input checked="" type="checkbox"/>		

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Permission is requested to haul by tank truck produced water from Cedar Well No. 1 located in the NE SE 34-37S-25E, SLB&M on Lease No. U-44822. The anticipated daily water production will be 60 barrels. The haul route will be over Unit, lease and county roads for which Wexpro has authorization for use. As this well has a very short life expectancy, it is not expected that it will be necessary to dispose of water for more than six months. A water analysis will be obtained but water quality is not expected to be greatly different than water produced from the Patterson Unit. Produced water will be hauled to Bug Well No. 12 located in the NE NW 21-36S-26E, SLB&M on a Fee Lease or to Patterson Unit Well No. 5 located in 4-38S-25E SLB&M on Lease No. U-11668, depending on which facility can accommodate the volume to be disposed.

→ Your expeditious approval would be greatly appreciated as storage for this water is limited.

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

SIGNED G. T. NUNHO TITLE District Manager

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

Accepted by the State of Utah Division of Oil, Gas and Mining
Date: 6-8-89
By: [Signature]

Federal Approval of this Action is Necessary *See Instructions on Reverse Side

ROCK SPRINGS GAS LABORATORY
 WATER ANALYSIS REPORT

Cathy Kelly

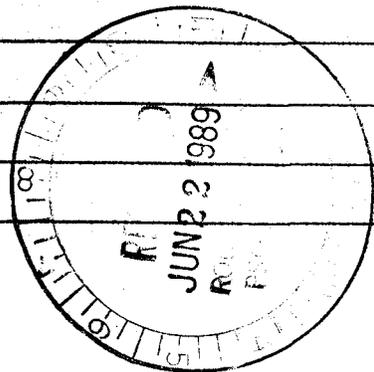
MICROFILM

Terry Nimmo
 TO *Cathy Flansburg*
 FIELD *Cedar*

DATE *6/21/89*
 ANALYST *Tomich*

<u>WELL</u>	<u><i>Cedar #1</i></u>			
pH	<u><i>6.23</i></u>			
Resistivity				
Ohm meters _____ F				
<u>CATIONS</u>				
Sodium, Na	<u><i>48,500 ppm</i></u>			
Calcium, Ca	<u><i>19,400 ppm</i></u>			
Magnesium, Mg	<u><i>3040 ppm</i></u>			
Barium, Ba				
<u>ANIONS</u>				
Chloride, Cl	<u><i>129,500 ppm</i></u>			
Sulfate, SO ₄	<u><i>55 ppm</i></u>			
Carbonate, CO ₃	<u><i>0 ppm</i></u>			
Bicarbonate, HCO ₃	<u><i>3000 ppm</i></u>			
TOTAL DISSOLVED SOLID	<u><i>203,500 ppm</i></u>			
Iron, Fe	<u><i>0 ppm</i></u>			
Manganese, Mn				

REMARKS : *Sampled from treater on 6/13/89.*



DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

Form approved
Bureau of Land Management

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
See "APPLICATION FOR PERMIT" for such proposals.)

3. LEASE DESIGNATION AND SERIAL NO.

U-44822

4. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cedar

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

34-37S-25E, SLB&M

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.
See also space 17 below.)
At surface

643' FEL, 2108' fSL, NE SE

RECEIVED
JUN 23 1989

DIVISION OF
OIL, GAS & MINING

14. PERMIT NO.
43-037-31455

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
GR 5461'

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

WELL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROMISED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *Cedar Unit Well No. 1, completed February 18, 1989, is productive from a perforated Desert Creek interval of 5791-5796' KBM. Gross productive Desert Creek Porosity is estimated at 15' (5791-5806' KBM).

Estimated future production performance is based on the trend established during the 30 day test conducted February 24 - March 24, 1989. Cumulative test production is estimated to be 761 STBO, 2019 MCFG and 1158 BW. Oil production declined during the test period from an initial rate of 50 STBPD to 15 STBPD.

A build up survey was run at the end of the test to check reservoir pressure depletion. A maximum bottom hole pressure of 1917 psig was recorded after thirteen days. This compares with initial reservoir pressure of 3150 psig. Reservoir Engineering estimates ultimate oil production from the well will be less than 5,000 barrels.

The installation of a pipeline would entail approximately 6600' of 3-1/2" OD pipe to deliver natural gas to our existing pipeline in the Patterson Area (Patterson Unit No. 9). The cost to install this pipeline would be approximately \$66,000.00. In addition to the pipeline expenditure an estimated \$33,455.00 is needed to complete the existing production facility.

Based on our analysis the well is unable to generate sufficient revenues to justify the installation of a gas pipeline and permanent facilities. Attached for your review are economic forecasts showing gas sales and gas flared scenarios.

Celsius Energy Company requests a 6-month extension on the APD stipulation to surface the access road upon establishment of production.

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

SIGNED *[Signature]*

TITLE District Manager

DATE May 4, 1989

(This space for Federal or State office use)

APPROVED BY *[Signature]*

TITLE District Mgr.

DATE 6/7/89

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

*See Instructions on Reverse Side

MONTH	WELL COUNT	GROSS PRODUCTION		NET PRODUCTION		PRICE		NET SALES INCOME (less sev. tax)		
		BBL OIL	MCF GAS	BBL OIL	MCF GAS	OIL	GAS	OIL \$	GAS \$	TOTAL \$
MONTH 1	1	632	1500	506	1200	18.25	1.00	8636	1148	9779
MONTH 2	1	450	1500	360	1200	18.25	1.00	6287	1148	7436
MONTH 3	1	383	1500	306	1200	18.25	1.00	5344	1148	6493
MONTH 4	1	325	1500	260	1200	18.25	1.00	4513	1148	5691
MONTH 5	1	276	1500	221	1200	18.25	1.00	3861	1148	5010
MONTH 6	1	235	1500	188	1200	18.25	1.00	3282	1148	4431
MONTH 7	1	200	1500	160	1200	18.25	1.00	2790	1148	3938
MONTH 8	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 9	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 10	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 11	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 12	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 13	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 14	1	0	0	0	0	18.25	1.00	0	0	0
MONTH 15	1	0	0	0	0	18.25	1.00	0	0	0
TOTAL		2501	18500	2000	8400			34938	8039	42977

SUBJECT: WELL ECONOMICS
CEDAR UNIT NO. 1
DESERT CR. FL.
LOCATION: NE SE 34-37S-25E
FIELD: CEDAR UNIT
COUNTY STATE: SAN JUAN, UTAH

REMARKS:
THESE ECONOMICS SERVE AS
PAYING WELL DET. AND
PERMITTING FACILITY
ECONOMICS
(assumes gas sales)

MONTH	EXPENSES				NET INVESTMENT			NET CASH FLOW		DISC. NET CASH FLOW		
	AD VALOR	WFP-TAX	OPER	G & A	TOTAL	WELLS	LAND	TOTAL	MONTHLY	CUMUL.	MONTHLY	CUMUL.
MONTH 1	448	0	4000	0	4448	99455	0	99455	-93925	-93925	-93925	-93925
MONTH 2	334	0	4000	0	4334	0	0	0	3102	-90823	3102	-90823
MONTH 3	292	0	4000	0	4292	0	0	0	2201	-88622	2201	-88622
MONTH 4	256	0	4000	0	4256	0	0	0	1435	-87186	1435	-87186
MONTH 5	225	0	4000	0	4225	0	0	0	785	-86402	785	-86402
MONTH 6	199	0	4000	0	4199	0	0	0	231	-86170	231	-86170
MONTH 7	177	0	4000	0	4177	0	0	0	-239	-86409	-239	-86409
MONTH 8	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 9	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 10	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 11	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 12	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 13	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 14	0	0	0	0	0	0	0	0	0	-86409	0	-86409
MONTH 15	0	0	0	0	0	0	0	0	0	-86409	0	-86409
TOTAL	1931	0	20000	0	29931	99455	0	99455	-86409	-86409	-86409	-86409

	OIL	GAS
WORKING INTEREST %	100.00	100.00
NET REVENUE INTEREST %	88.00	88.00
GROSS RESERVE	2501 stb	18500 mcf
NET RESERVE	2000 stb	8400 mcf
GROSS WELL COUNT	1	1.00
NET WELL COUNT	1	1.00

ECONOMIC CRITERIA	
PAYOUT	NO PAYOUT
NET REVENUE - \$	41046
NET OP INCOME - \$	13046
NET PROFIT - \$	-86409
PROFIT / INVESTMENT	-0.869
DISC. PROFIT / INVESTMENT	-0.869
RETURN ON INVEST.	0.131
NET PRES. VAL. (14.5%) - \$	-86409
RATE OF RETURN	NA

RECEIVED
JUN 23 1989

DIVISION OF
OIL, GAS & MINING

WELL COUNTY

GROSS PRODUCTION

ML OIL	NOF GAS
2223656	2223656
246	246

NET PRODUCTION

ML OIL	NOF GAS
2223656	2223656
163	163

PRICE

OIL	GAS
2223656	2223656
2223656	2223656

NET SALES INCOME (less inv. tax)

OIL	GAS	TOTAL
2223656	2223656	2223656
2223656	2223656	2223656

EXPENSES

WELLS	ST-TAL	OPER	G & A	TOTAL
1297	20000	4173	4173	21277

NET INVESTMENT

WELLS	LAND	TOTAL
33435	33435	33435

NET CASH FLOW

MONTHLY	CUMUL
-2546	-2546

BI-MONTHLY NET CASH FLOW

MONTHLY	CUMUL
-2546	-2546

MONTHLY INTEREST \$
 NET REVENUE INTEREST \$
 GROSS REVENUE
 NET REVENUE
 GROSS WELL COUNT
 NET WELL COUNT

OIL
 104.00
 246.00
 163.00

GAS
 104.00
 246.00
 163.00

ECONOMIC CRITERIA

PAYMENT
 NET REVENUE - 0
 NET SALES INCOME - 0
 NET PROFIT - 0
 PROFIT / INVESTMENT
 BI-MONTHLY NET CASH FLOW / INVESTMENT
 RETURN ON INVEST.
 NET PROF. ON INVEST. (14.9) - 0
 RATE OF RETURN

WELLS
 1297
 20000
 4173
 4173
 21277

RECEIVED

JUN 23 1989

DIVISION OF OIL, GAS & MINING

SUBJECT: WELL ECONOMICS
 CEDAR UNIT NO. 1
 BEBERT CL. PK.
 LOCATION:
 SECTION 8-38-24E
 FIELD:
 CEDAR UNIT
 COUNTY, STATE:
 SAN JUAN, UTAH
 REMARKS:
 THESE ECONOMICS SERVE AS
 PAYING WELL, NET, AND
 PERMITTING FACILITY
 ECONOMICS
 (assume 100 flared)

Celsius Energy Company
Well No. Cedar 1
Sec. 34, T. 37 S., R. 25 E.
Lease U-44822

CONDITIONS OF APPROVAL

1. Operator is approved to vent/flare gas from subject well up to 100 MCFPD/month for one year pending economic review and production rates. All volumes produced, used on lease and vented/flare shall be reported on the Monthly Report of Operations (Form MMS 3160-6).

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Business Activities 11-1005

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT"

RECEIVED
JUN 23 1989

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82802

4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side.)
See also space 17 below.)
At surface
643' FEL, 2108' FSL, NE SE

14. PERMIT NO. 43-037-31455

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
GR 5461'

5. LEASE DESIGNATION AND SERIAL NO.
U-44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cedar

9. WELL NO.
1

10. FIELD AND POOL OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
34-37S-25E, SLB&M

12. COUNTY OR PARISH; 13. STATE
San Juan Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) See below <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Celsius Energy Company requests a six-month extension on the APD stipulation to surface the access road upon establishment of production. Approval was recently granted allowing Celsius Energy Company to flare the gas from this well for one year due to the economic unfeasibility of installing a pipeline. This well's life expectancy does not exceed 6 months. Please refer to the attached sundry for economic justification.

Well completed 2-18-89
as POW.
DTS

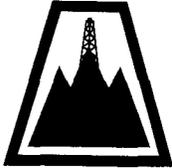
18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE District Manager DATE June 15, 1989

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



WEXPRO COMPANY

P. O. BOX 458 • ROCK SPRINGS, WYOMING 82902 • PHONE (307) 382-9791

MICROFICHE

June 30, 1989

Utah Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Cedar Well No. 1
34-37S-25E
San Juan County, Utah
Lease U-44822

RECEIVED
JUL 06 1989

DIVISION OF
OIL, GAS & MINING

Gentlemen;

As stated in our May 31, 1989 sundry notices to haul water from Cedar Well No. 1 to Bug Well No. 12 and Patterson Unit Well No. 5, I am enclosing a water analysis of the Cedar wells produced water.

If you need further information, please let me know.

Sincerely,

C. J. Flansburg
Coordinator, Regulatory Affairs

CJF/srl

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instruction reverse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Celsius Energy Company

3. ADDRESS OF OPERATOR

P. O. Box 458, Rock Springs, Wyoming 82902

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

643' FEL, 2108' FSL, NE SE

14. PERMIT NO.

43-037-31455

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

GR 5461'

RECEIVED
JUL 06 1989
DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

FARM OR LEASE NAME

Cedar

WELL NO.

1

10. FIELD AND POOL OR WILDCAT

Undesignated

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

34-37S-25E SLB&M

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Dispose of Produced Water

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Permission is requested to haul by tank truck produced water from Cedar Well No. 1 located in the NE SE 34-37S-25E, SLB&M on Lease No. U-44822. The anticipated daily water production will be 60 barrels. The haul route will be over Unit, lease and county roads for which Wexpro has authorization for use. As this well has a very short life expectancy, it is not expected that it will be necessary to dispose of water for more than six months. A water analysis will be obtained but water quality is not expected to be greatly different than water produced from the Patterson Unit. Produced water will be hauled to Bug Well No. 12 located in the NE NW 21-36S-26E, SLB&M on a Fee Lease or to Patterson Unit Well No. 5 located in 4-38S-25E SLB&M on Lease No. U-11668, depending on which facility can accommodate the volume to be disposed.

✓ Your expeditious approval would be greatly appreciated as storage for this water is limited.

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

SIGNED

G. N. H. H. O.

TITLE District Manager

DATE May 31, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

Federal Approval of this Action is Necessary

*See Instructions on Reverse Side

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 7-10-89
BY: *[Signature]*

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
 (Other instructions on reverse side)

Budget Period N. 1004-
 Expires August 31, 1985

LEASE DENUDATION AND HABITAT
 U-44822

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen or to test a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

REC WELLS
 FEB 09 1990

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 CELSIUS ENERGY COMPANY

3. ADDRESS OF OPERATOR
 1125 17th Street, Suite 2240, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
 At surface
 643' FEL, 2108' FSL, NE/4 SE/4

5. WELL NO.
 1

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 --

7. UNIT AGREEMENT NAME
 --

8. FARM OR LEASE NAME
 Cedar

10. FIELD AND POOL OR WILDCAT
 Undesignated

11. SEC. T., R., M., OR BLM. AND SURVEY OR AREA
 34-37S-25E-SLB&M

12. COUNTY OR PARISH 13. STATE
 San Juan UTAH

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RI, GR, etc.)
 43-037-31455 GR 5461'

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) Plug and Abandon Well

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Celsius Energy Company requests permission to plug and abandon it's Cedar No. 1 well in San Juan County, Utah. Cedar Well #1, a Desert Creek producer, that produces from 5791' - 5796' KBM will be plugged with a cast iron bridge plug set at 5750' KBM. Thirty-five feet of cement (8 sacks) will be set on plug with a Wireline Bailer. Test casing to 1500 psi for ten minutes. If casing tests, 5 1/2" casing will be perforated with 4 holes at 1714' KBM and a retainer set at 1614' KBM and pressure tested. Cement will be circulated below the cement retainer and up the 9 5/8" casing annulus to surface. Set a 50' cement plug at 50' KBM to surface.

The casing flange will be cut off and a regulation dry hole marker will be set. Reclamation will occur via APD stipulations.

OIL AND GAS	
DRN	RJF
JRB ✓	GLH
DTS	SLS

2-TAS
 DATE 1/30/1990
 MICROFILM
 FILE

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

SIGNED Alan Logan TITLE Manager - Operations DATE 1/30/1990

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

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

*See Instructions on Reverse Side

DATE: 2-13-90
 BY: [Signature]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U - 44822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. LEASE AGREEMENT NAME

8. NAME OF LEASE NAME

CEDAR

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

34-37S-25E SLB&M

12. COUNTY OR PARISH 13. STATE

San Juan

UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
MAY 11 1990
DIVISION OF OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
CELSIUS ENERGY COMPANY

3. ADDRESS OF OPERATOR
1125 17th Street, Suite 2240, Denver, Colorado 80202

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

643' FEL, 2108' FSL, NE/4 SE/4

14. PERMIT NO.
43-037-31455

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 5461'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above captioned well was plugged and abandoned on April 28, 1990. The plugging was witnessed by Mike Wade of the BLM (Monticello, Utah). The well was plugged by setting a cast iron bridge plug at 5750' KBM and spotting a 100' Class "G" cement plug on top of the bridge plug (22 sacks of cement). The casing and bridge plug was pressure tested to 1500 psi for 10 minutes. The hole was circulated with 9.5 ppg mud. The 5 1/2" casing was perforated with 4 shots at 1720' KBM. A cement retainer was set at 1596' KBM and cement was pumped below the retainer and up the 5 1/2" X 9 5/8" annulus. 98 barrels of cement (approximately 350 sacks) was circulated up the annulus. A 50' (10 sacks) cement plug was put at the top of the 5 1/2" production casing. A regulation dry hole marker was installed.

The reclamation of the road and location will occur when possible.

OIL AND GAS	
DRN	W-F
JRS	GLH
DTC	SLS

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

SIGNED A.H. [Signature]

TITLE Manager - Operations

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

1-TAS
DATE May 5, 1990
2. MICROFILM
3. FILE DATE

*See Instructions on Reverse Side