Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

303/572-1121

July 11, 1985

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

Re: COGC State #1-2
660' FNL, 1980' FEL
NW NE Section 2-T37S-R21E
San Juan County, Utah
Lease No. ML-38397

Gentlemen:

Enclosed please find Application for Permit to Drill the referenced well. Also enclosed is a stamped, self-addressed envelope for your convenience in returning approved copy of permit.

We are in the process of obtaining a Designation of Operator which will be forwarded to you upon execution.

Yours very truly,

Anne M. Dyer
Operations Analyst
Denver District Drilling Department

Encls.
xc: H. E. Aab
C. Duckwall

FORM OGC-1a

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

THE STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Coastal Oil & Gas Corporation ATTN: ANNE DYER

3. ADDRESS OF OPERATOR: P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: 660' FNL, 1980' FEL NW NE
At proposed prod. zone: Same

RECEIVED
JUL 12 1985
DIVISION OF OIL GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: ML-38397 State
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
7. UNIT AGREEMENT NAME: NA
8. FARM OR LEASE NAME: COGC State #1-2
9. WELL NO.: 1
10. FIELD AND POOL, OR WILDCAT: Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 2-T37S-R21E
12. COUNTY OR PARISH: San Juan
13. STATE: Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 13.3 miles SW of Blanding

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any): 660'
16. NO. OF ACRES IN LEASE: 641.32
17. NO. OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 19800'
19. PROPOSED DEPTH: 8600' mesaverde
20. ROTARY OR CABLE TOOLS: Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5935.09' GR Ungrd
22. APPROX. DATE WORK WILL START*: August 15, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 7/8"	10 3/4"	40.5#	850'	250 sx
8 3/4"	5½"	15.5# & 17#	8600'	450 sx

Please refer to attached copy of Drilling Prognosis.

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 H. E. Aab TITLE District Drilling Manager Denver District DATE July 11, 1985

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

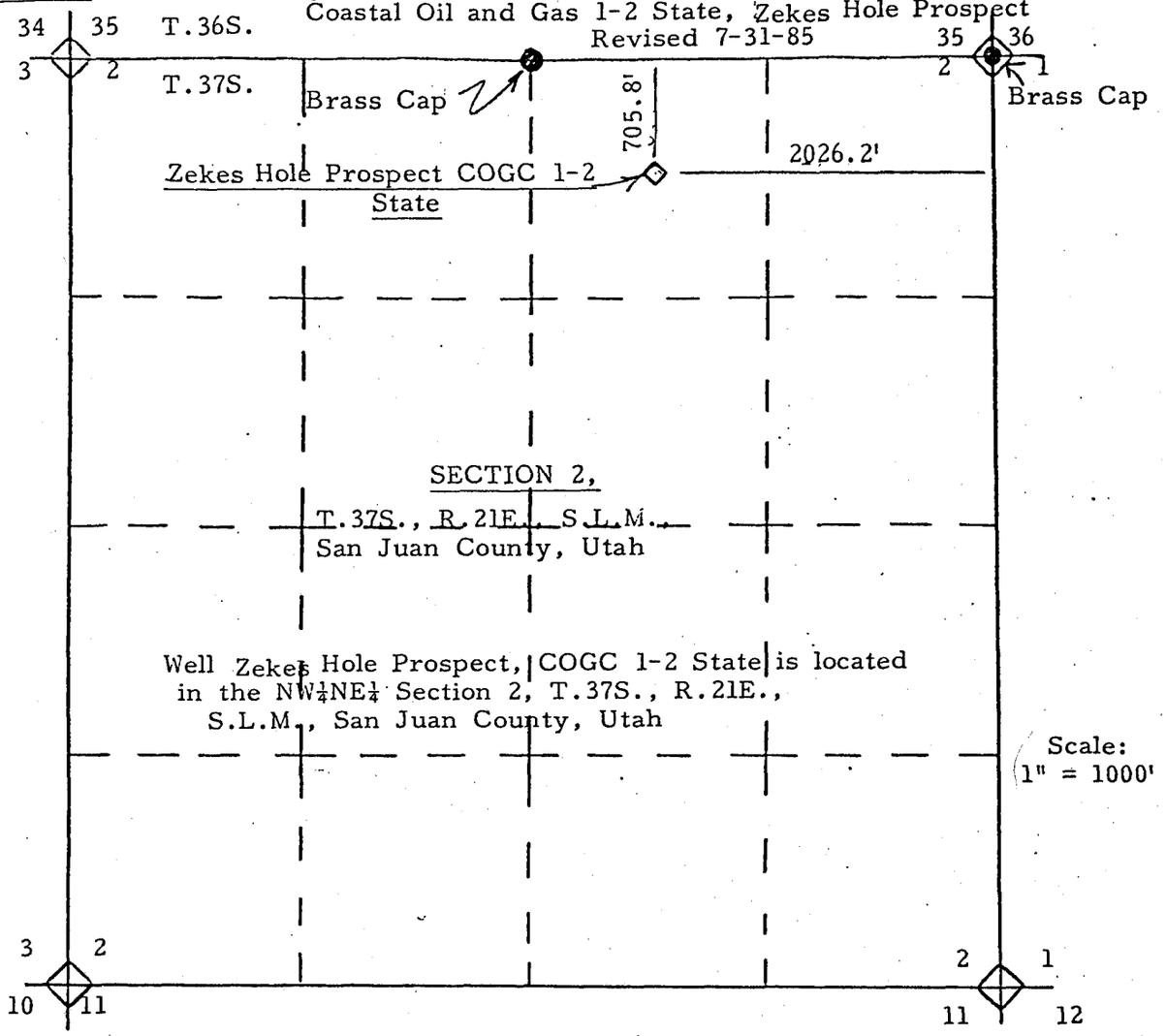
SHEET 1 OF 5

Heitzman Drill Site Services

July 3, 1985

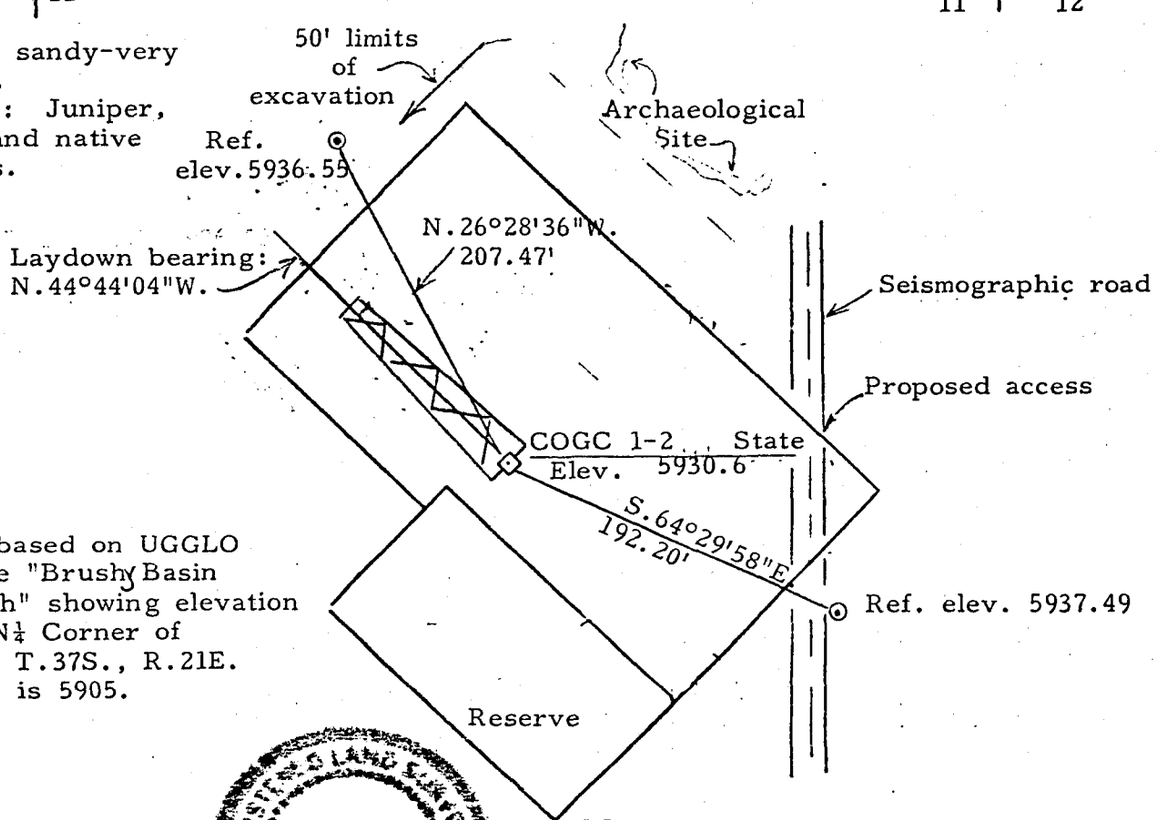
Coastal Oil and Gas 1-2 State, Zekes Hole Prospect

Revised 7-31-85



Soil: Red sandy-very rocky.

Vegetation: Juniper, pinon and native grasses.



Elevation based on UGGLO map entitle "Brushy Basin Wash, Utah" showing elevation near the N¼ Corner of Section 2, T.37S., R.21E. This elev. is 5905.

Scale: 1" = 100'

REGISTERED LAND SURVEYOR
FREDRIC P. THOMAS
4346
STATE OF UTAH

KNOW ALL MEN BY THESE PRESENTS:

THAT I, FREDRIC P. THOMAS OF [illegible]

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

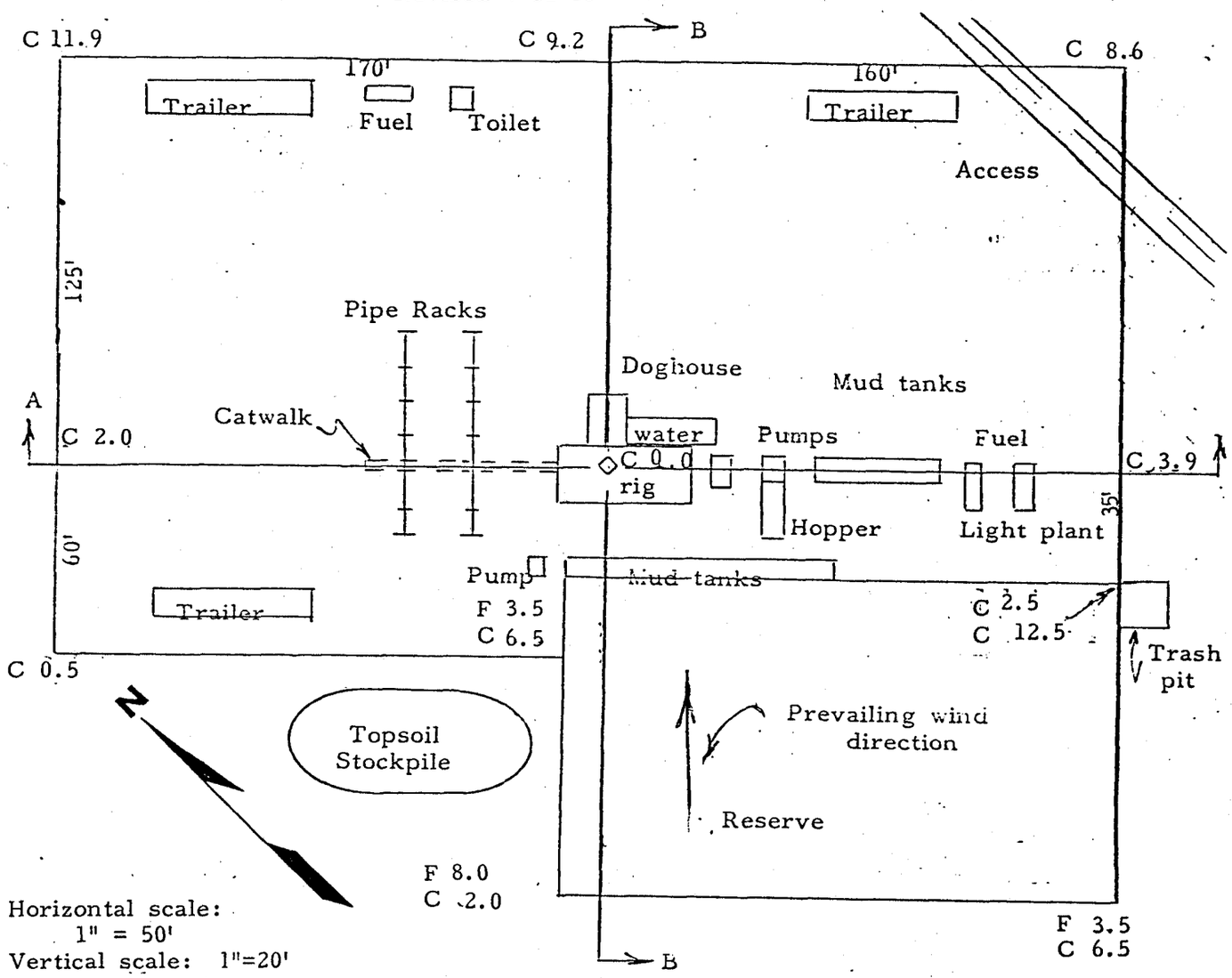
Bearing by Solar observation

THOMAS *Engineering Inc.*

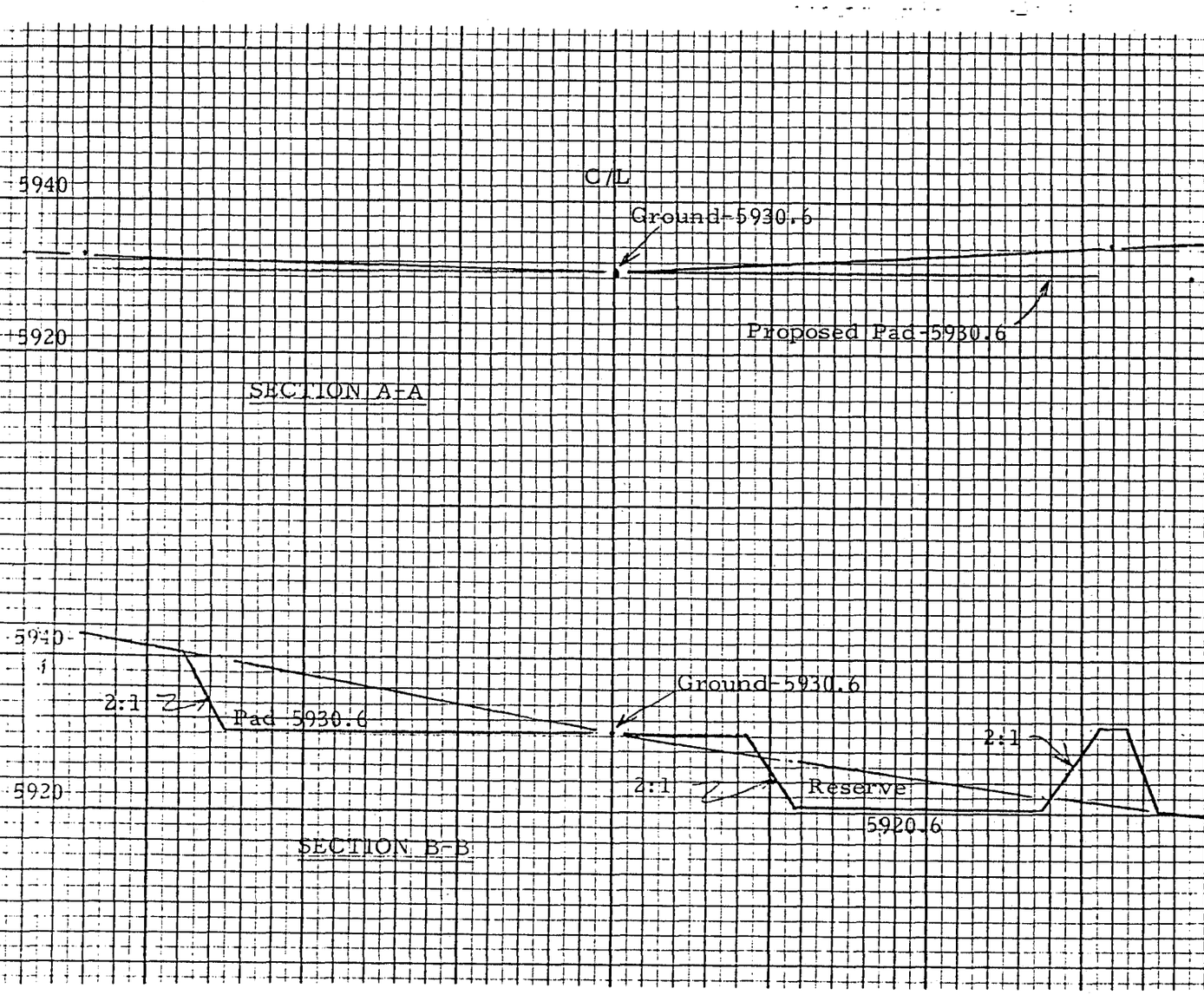
215 N. Linden
Cortez, Colorado
565-4496

Heitzman Drill Site Services July 3, 1985

Coastal Oil and Gas 1-2 State, Zekes Hole Prospect
Revised 7-31-85

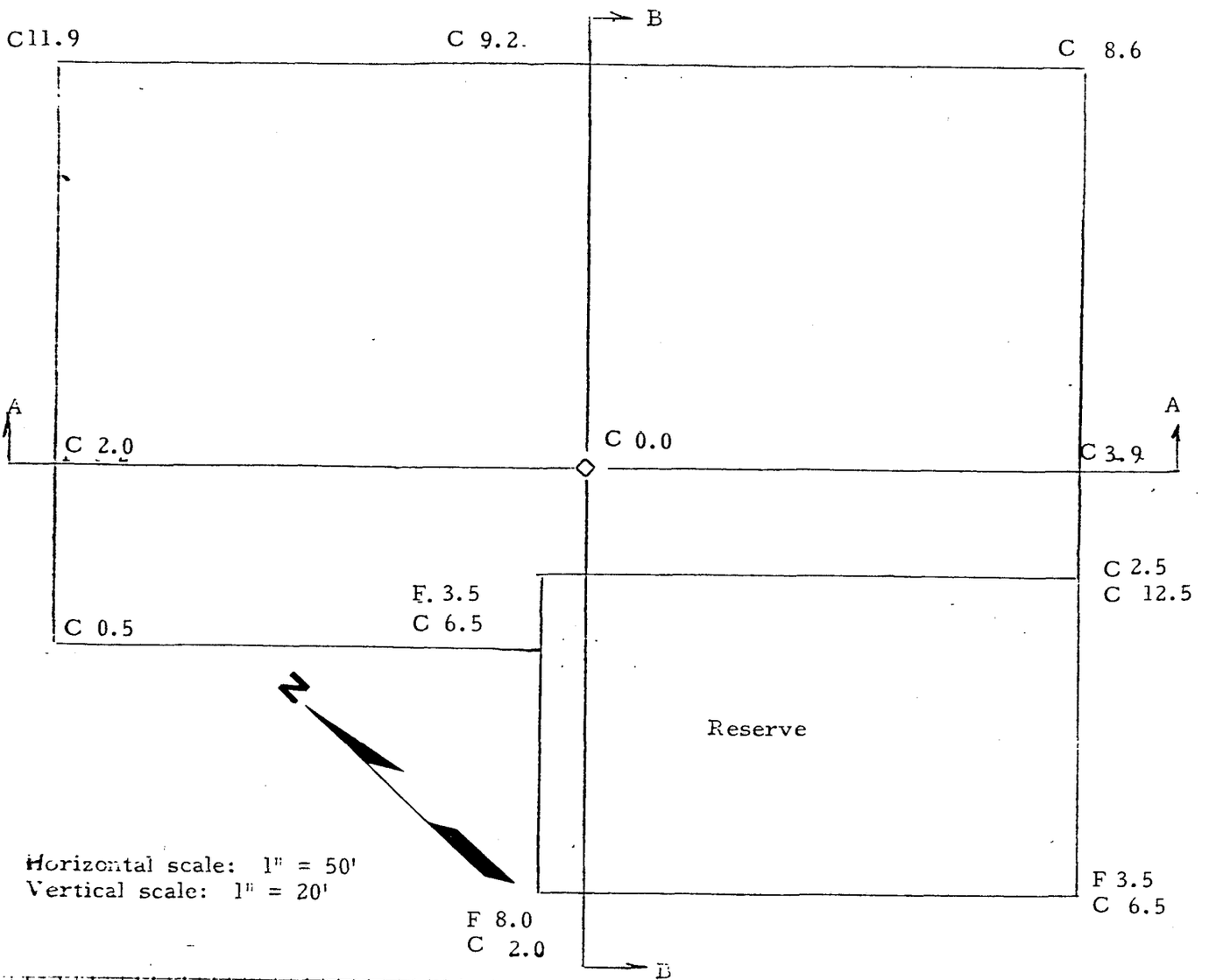


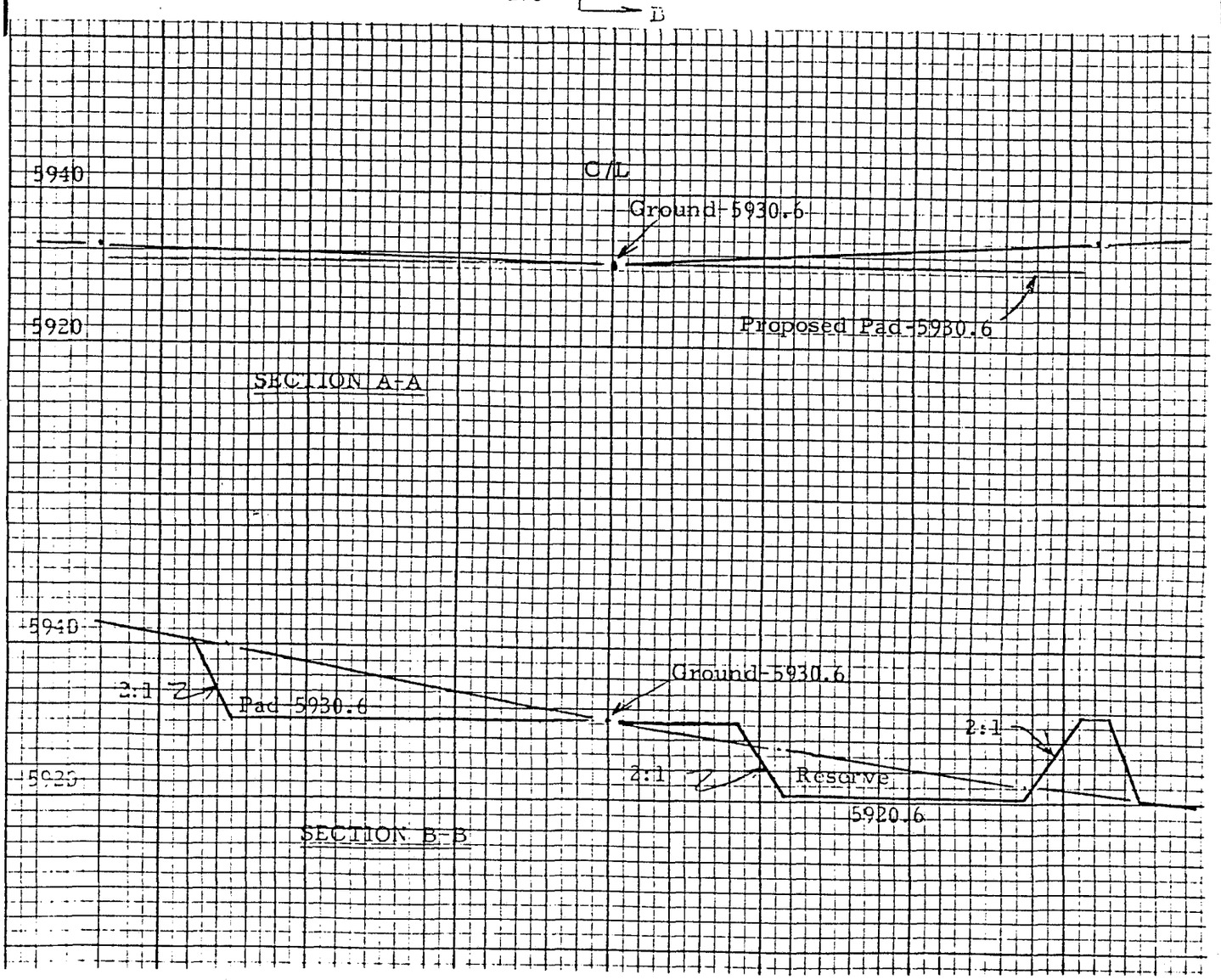
Horizontal scale:
1" = 50'
Vertical scale: 1"=20'



Heitzman Drill Site Services
Coastal Oil & Gas, State 1-2, Zekes Hole Prospect
Revised 7-31-85

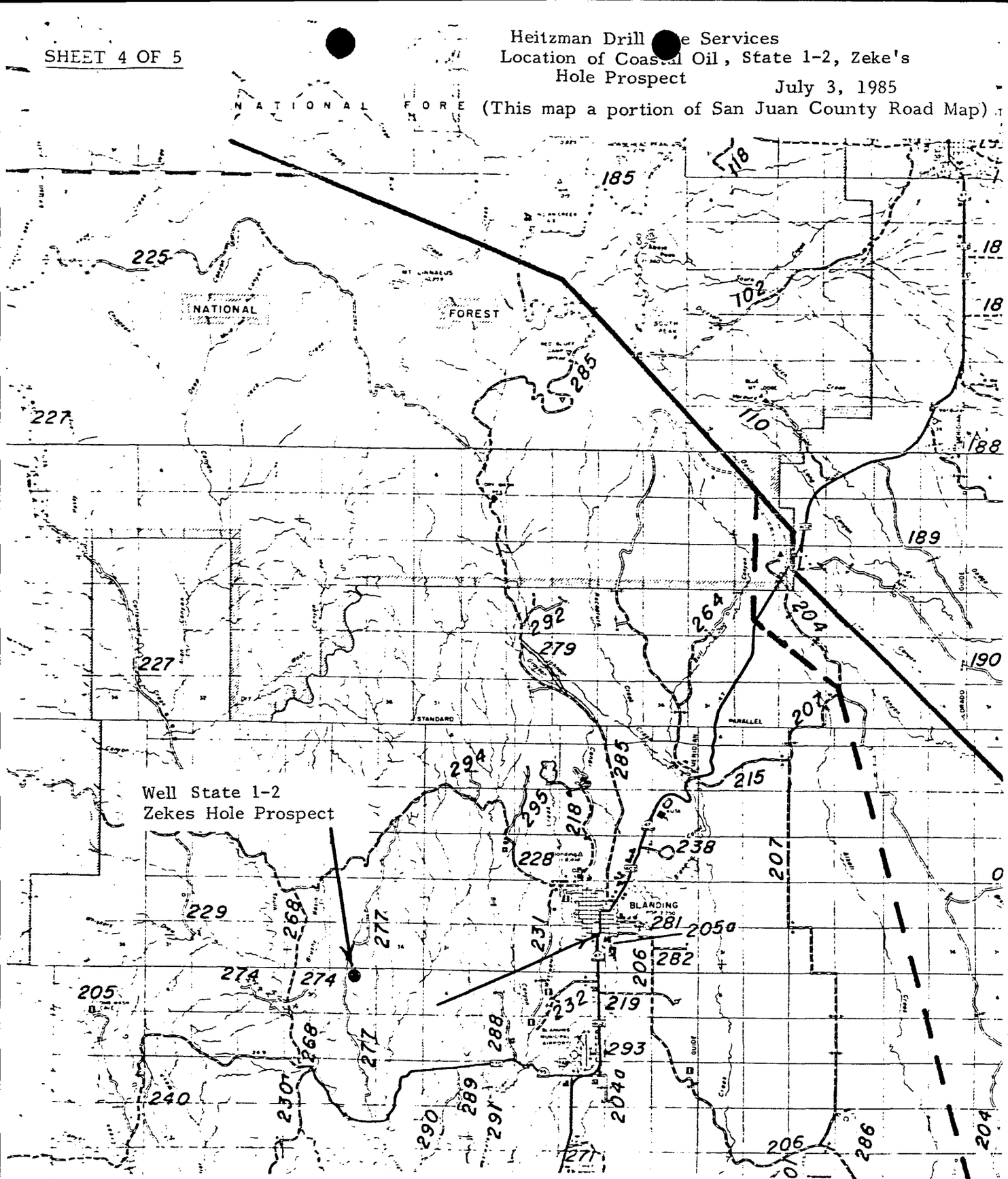
July 3, 1985





SHEET 4 OF 5

Heitzman Drill[illegible]e Services
Location of Coast[illegible] Oil , State 1-2, Zeke's Hole Prospect
July 3, 1985
(This map a portion of San Juan County Road Map)

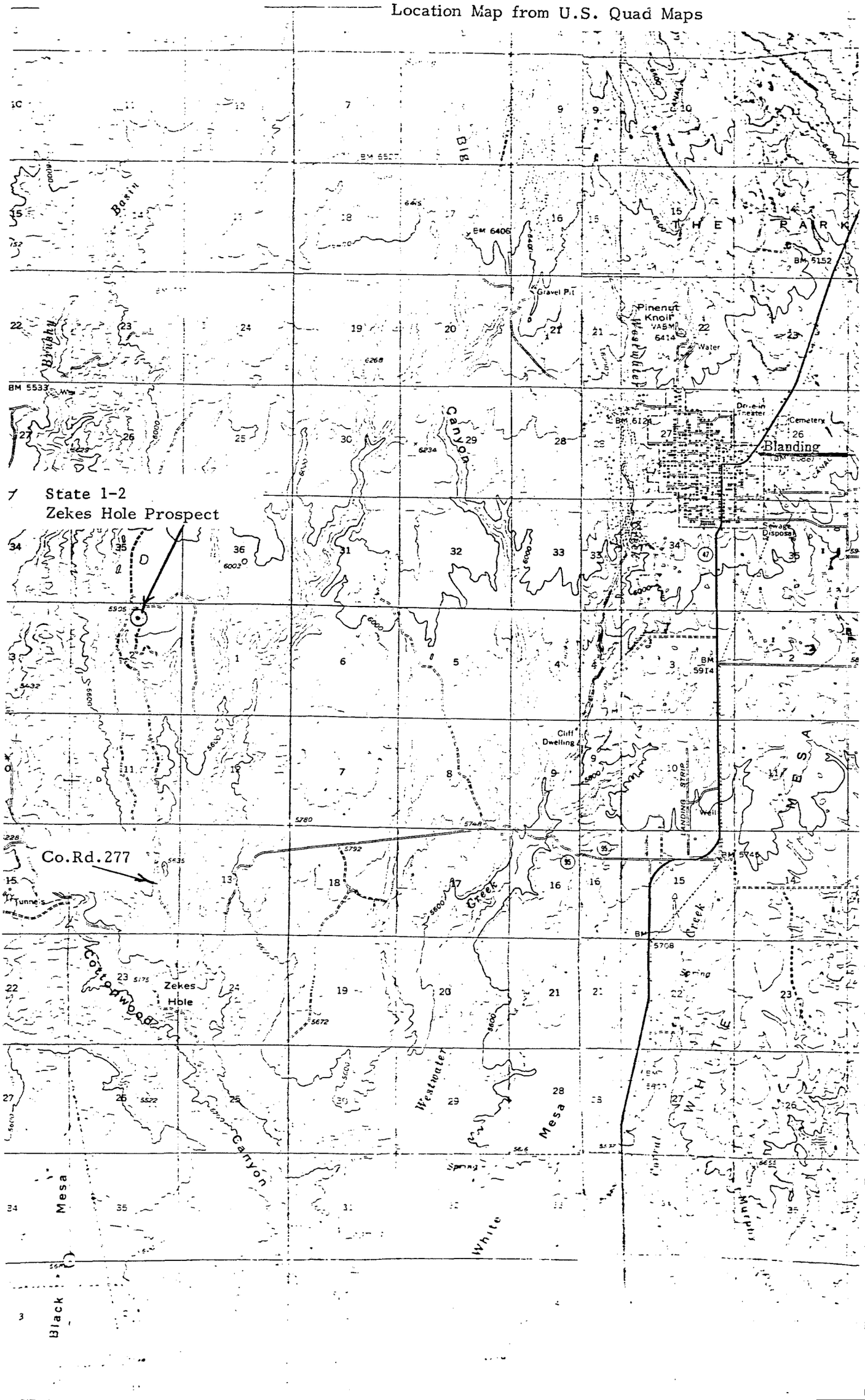


Milepost	Description
0.0	Blinking light in Blanding
3.8	Junction State Hwy. 95 and U.S. 163
8.8	Marker 117
9.1	Junction with Co. Rd. 277 to Brushy Basin Rim Begin Co. Rd. 277
10.5	Intersection low road (R)
10.7	Down
10.7	Intersection overlook road
10.8	Intersection overlook road
11.9	Intersection trail
12.6	Intersection low road (U)
13.0	Intersection (S)
13.2	main road (W)
13.3	SE ref. 20 ft. southeast of seismo road at well location

230 230

Heitzman Drill Site Services July 3, 1985
Coastal Oil & Gas, State 1-2, Zeke's Hole Prospect

Location Map from U.S. Quad Maps



COGC #1-2 STATE
ZEKE'S HOLE PROSPECT
NW NE SECTION 2-T37S-R21E
SAN JUAN COUNTY, UTAH

DRILLING PROGNOSIS

1. Surface Formation:

Dakota

2. Estimated Tops of Important Geologic Markers:

Morrison	100'	Chimney Rock	6460'
Entrada	1000'	Top Salt	6515'
Chinle	2300'	Base Salt	7265'
Hermosa	5100'	Mississippian	7590'
Ismay	6140'	Devonian Ouray	8090'
Desert Creek	6390'	McCracken	8340'
		T. D.	8600'

3. Depths of Anticipated Oil, Gas & Water Zones:

Ismay - oil and/or gas
Desert Creek - oil and/or gas
Mississippian, McCracken - oil and/or gas (methane or CO_2)

If any shallow water zones are encountered, they will be adequately protected and reported; none anticipated. Any potentially productive hydrocarbon zones will be cemented off.

4. Pressure Control Equipment:

3000 psi working pressure BOP equipment will be utilized. Please refer to attached copy of schematic and BOP Program.

5. Casing Program: (All New)

Size	Weight	Grade	Joint	String Length
16"	CMP	Conductor		60'
10 3/4"	40.5#	K-55	ST&C	850'
5 1/2"	15.5#	K-55	ST&C	5000'
5 1/2"	17#	N-80	ST&C	3600'

Cement:

10 3/4"	250 sx Class G
5 1/2"	450 sx Class G, top of cement at 6400'

A greater amount will be used is necessary. to ensure that all potentially productive hydrocarbon zones are cemented off.

Casing string(s) will be pressure-tested to 0.2 psi/ft. or 1000 psi, whichever is greater.

6. Mud Program: (Monitoring - Pit Volume and Flow Sensor Devices)

Interval	Type	Weight	Viscosity	Fluid Loss
0-2000'	Native Mud	8.8- 9.0	28-35	NC
2000-4000'	Water & Gel	9.0- 9.2	28-32	NC
4000-T.D.	Salt Saturated System	9.5-10.0	35-40	10 cc/Less

Drilling mud inventory will be stockpiled on the location and will not be less than the total amount needed for the mud system as required to drill this well.

7. Auxiliary Equipment to be Used:

a. Kelly cock
b. Monitoring equipment on the mud system
c. A sub with a full opening valve will be available on the floor to stab into the drill pipe when the kelly is not in the string.

8. Evaluation Program:

Logs: Dipmeter 5100'-T.D.
BHC/Sonic/GR, Surface-T.D.
DIL/SP,
CNL/LDT/GR/Caliper

DSTs: One in the Ismay at 6170'
One in the Mississippian at 7640'
One in the McCracken at 8340'

Cores: 90' in the Mississippian 7590-7680'

Stimulation: No stimulation or frac treatment has been formulated for this test. The State will be notified by Sundry Notice prior to any completion activity with a complete frac program. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

9. Anticipated Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. H_2S will possibly be encountered; Coastal Oil & Gas Corporation is taking measures to be in full compliance at 5500 feet. The contractor will be Envirosafe, Inc.

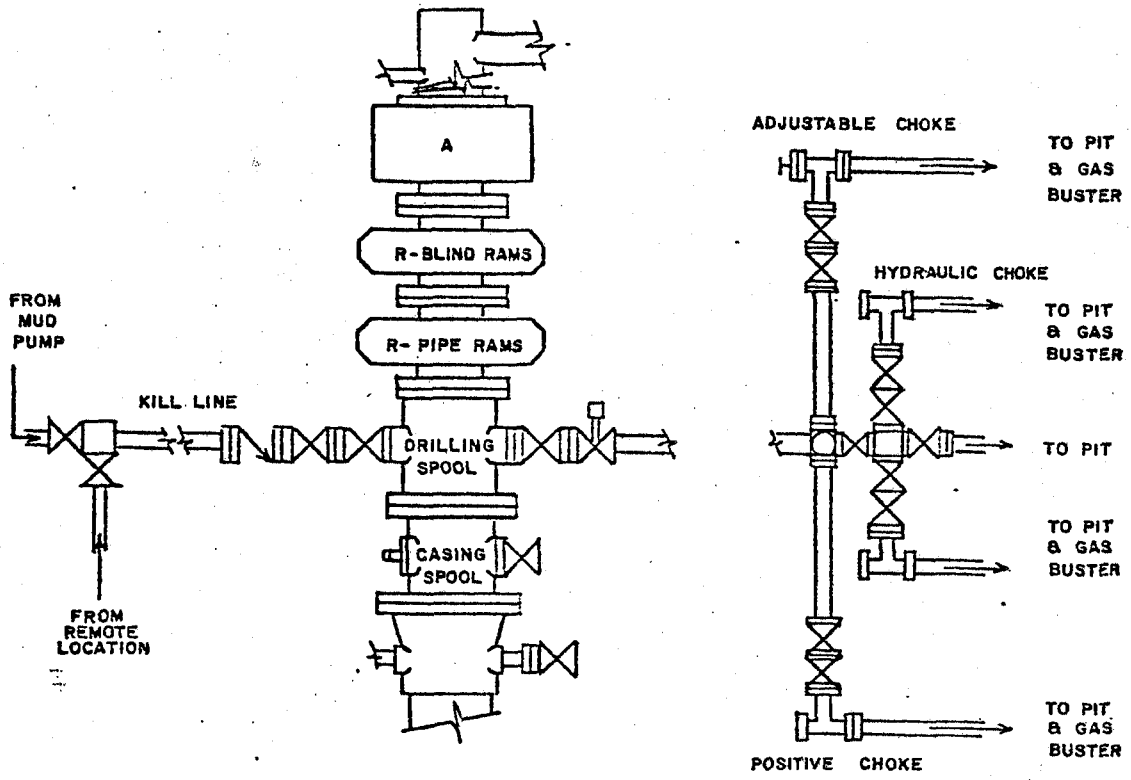
10. Drilling Activity:

Anticipated commencement date: August 16, 1985

Drilling Days: Approximately 46 days

Completion Days: Approximately 7 days

3000 psi psi Working Pressure BOP's



Test Procedure

1) Flush BOP's and all lines to be tested with water.
2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
3) Test the following to rated pressure:
   a) inside blowout preventer
   b) lower kelly cock
   c) upper kelly cock
   d) stand pipe valve
   e) lines to mud pump
   f) kill line to BOP's
4) Close and test pipe rams to rated pressure.
5) Close and test Hydril to rated pressure.
6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
7) Test all choke manifold valves to rated pressure.
8) Test kill line valves to rated pressure.

COASTAL OIL & GAS CORPORATION
DENVER DISTRICT DRILLING DEPARTMENT
BLOWOUT PREVENTER PROGRAM:

Operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings, and testing procedures and testing frequency.

Bottom:	3000# BOP w/4½" pipe rams
	3000# BOP w/blind rams
	3000# Hydril
Top:	**Rotating Head**

Manifold includes appropriate valves, positive and adjustable chokes and kill line, to control abnormal pressures.

BOPs will be tested at installation and will be cycled on each trip.

The type and characteristics of the proposed circulating medium to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained:

The well will be drilled with native mud from surface to 2000' with a weight of 8.8 to 9.0 ppg

From 2000' to 4000' water and gel the well will be drilled with with a weight from 9.0 to 9.2 ppg.

From 4000' to T.D. Salt Saturated system the well will be drilled with with a weight from 9.5 to 10.0 ppg.

Auxiliary Equipment To Be Used:

a. Kelly cock
b. Monitoring equipment on the mud system
c. A sub with a full opening valve will be available on the floor to stab into the drill pipe when the kelly is not in the string.

STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

July 12, 1985

Division of Oil, Gas & Mining
Attn: Arlene Sollis
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Temporary Change Application No. 85-09-9

Dear Arlene:

Enclosed is a copy of the above referenced Temporary Change Application. Please keep it for your records and information.

Feel free to contact me if you have any questions.

Sincerely,

Mark

Mark P. Page
Area Engineer

Enclosure

MPP/mjk

Form 111 8-61-2M

APPLICATION NO. 85-09-9

DISTRIBUTION SYSTEM. N.A.

Application For Temporary Change of Point of Diversion, Place or Purpose of Use

STATE OF UTAH

(To Be Filed in Duplicate)

RECEIVED
JUL 15 1985
DIVISION OF OIL
GAS & MINING

RECEIVED
JUL 11 1985
WATER RIGHTS
PRICE

Price, Utah (Place) July 11, (Date) 19 85

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use (Strike out written matter not needed) of water, the right to the use of which was acquired by 09-579 (A-43490) (Give No. of application, title and date of Decree and Award No.) to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. The owner of right or application is Neldon Holt
2. The name of the person making this application is Donald H. Mecham
3. The post office address of the applicant is P.O. Box 1597 Roosevelt, Utah 84066

PAST USE OF WATER

4. The flow of water which has been used in second feet is 0.1
5. The quantity of water which has been used in acre feet is
6. The water has been used each year from January 1 (Month) (Day) to December 31 (Month) (Day), incl.
7. The water has been stored each year from (Month) (Day) to (Month) (Day), incl.
8. The direct source of supply is Underground water well in San Juan County.
9. The water has been diverted into ditch canal at a point located S. 300 ft. & W. 315 ft. from N¼ Cor. Sec. 27, T36S, R22E, SLB&M.
10. The water involved has been used for the following purpose: Irrigation, Domestic, Stockwater

Total acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

11. The flow of water to be changed in cubic feet per second is
12. The quantity of water to be changed in acre-feet is 3.0
13. The water will be diverted into the tank trucks ditch canal at a point located directly from well S. 300 ft. & W. 315 ft. from N¼ Cor. Sec. 27, T36S, R22E, SLB&M.
14. The change will be made from July 15, 19 85, to July 14, 19 86 (Period must not exceed one year)
15. The reasons for the change are change from agricultural to industrial
16. The water involved herein has heretofore been temporarily changed 0 years prior to this application. (List years change has been made)
17. The water involved is to be used for the following purpose: Exploration Drilling COGC 1-2 State. S. 660 ft. & W. 1980 ft. from N¼ Cor. Sec. 2, T37S, R21E, SLB&M.

Total acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

A filing fee in the sum of ~~$5.00~~ 75.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

Donald H. Mecham
Signature of Applicant

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of $7.50 Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:
State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. ...., ... (River System)

1. N.A. .... Application received by Water Commissioner .... (Name of Commissioner)

   Recommendation of Commissioner ....

2. July 11, 1985 .... Application received (over counter) / by mail in State Engineer's Office by [initials]
3. .... Fee for filing application, $7.50 received by ....; Rec. No. ....
4. .... Application returned, with letter, to ...., for correction.
5. .... Corrected application resubmitted over counter / by mail to State Engineer's Office.
6. .... Fee for investigation requested $............
7. .... Fee for investigation $............, received by ....: Rec. No. ....
8. .... Investigation made by ....; Recommendations: ....
9. .... Fee for giving notice requested $............
10. .... Fee for giving notice $............, received by ....: Rec. No. ....
11. .... Application approved for advertising by publication / mail by ....
12. .... Notice published in ....
13. .... Notice of pending change application mailed to interested parties by .... as follows:
14. .... Change application protested by .... (Date Received and Name)
15. .... Hearing set for ...., at ....
16. 7-11-85 .... Application recommended for rejection / (approval) by [initials]
17. 7-12-85 .... Change Application rejected / (approved) and returned to APPLICANT

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. ....
2. ....
3. ....

Mark P. Page Area Engineer
State Engineer

STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

July 12, 1985

Donald H. Mecham
P.O. Box 1597
Roosevelt, Utah 84066

Re: Temporary Change No. 85-09-9

Dear Mr. Mecham:

The above referenced Temporary Change Application has been approved. A copy is enclosed for your records.

Please feel free to contact me if you have any questions.

Sincerely,

Mark P. Page

Mark P. Page, Area Engineer
for Robert L. Morgan, State Engineer

Enclosure

RLM/MPP/mjk

Westwater Creek.

9 miles W of Blanding
6 miles to.

8600.00+

Costal Oil & Gas
San Juan County, Utah
COGC 1-2 State
660' from North Line S
1980' from East Line W N¼Cor.
NWNE Sec. 2 37S 21E SLM
(Zeke's) prospect name Spud in Date = Aug 15, 85
Send correspondence to:
Costal Oil & Gas
P.O. Box 749
Denver, Colorado 80201
ATTN: Anne Dyer Ph. 303-573-4475

7/10/85

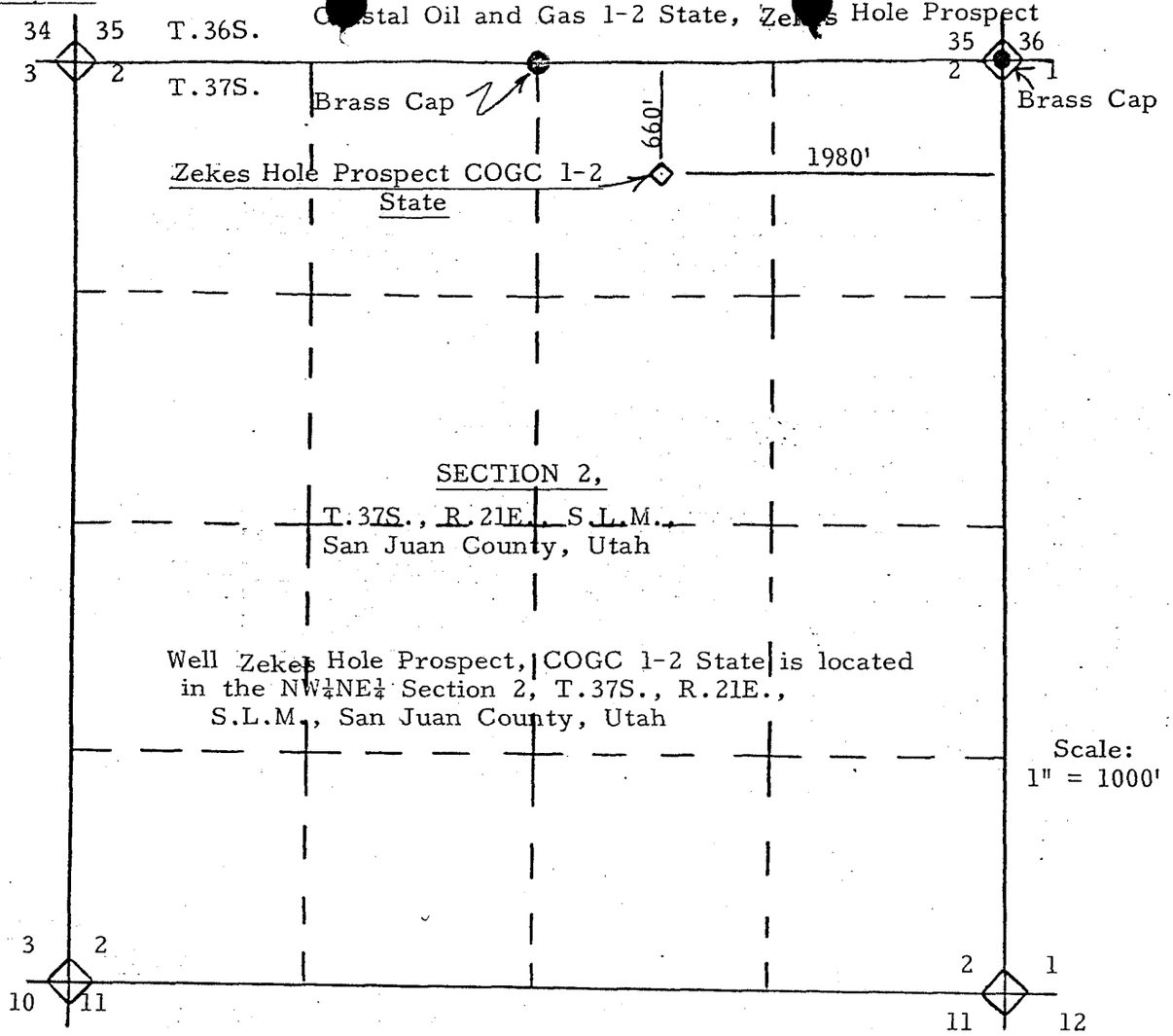
To whom it may concern:
Let it be known to Matador Service Inc; that I: Weldon E. Holt of Blanding, Utah do own the land + water that is being bought by you for Drilling & completion of the Zeke's prospect oil well.

signed:
Weldon Holt
Ph. 678-2607
Blanding, Utah
84511

SHEET 1 OF 5

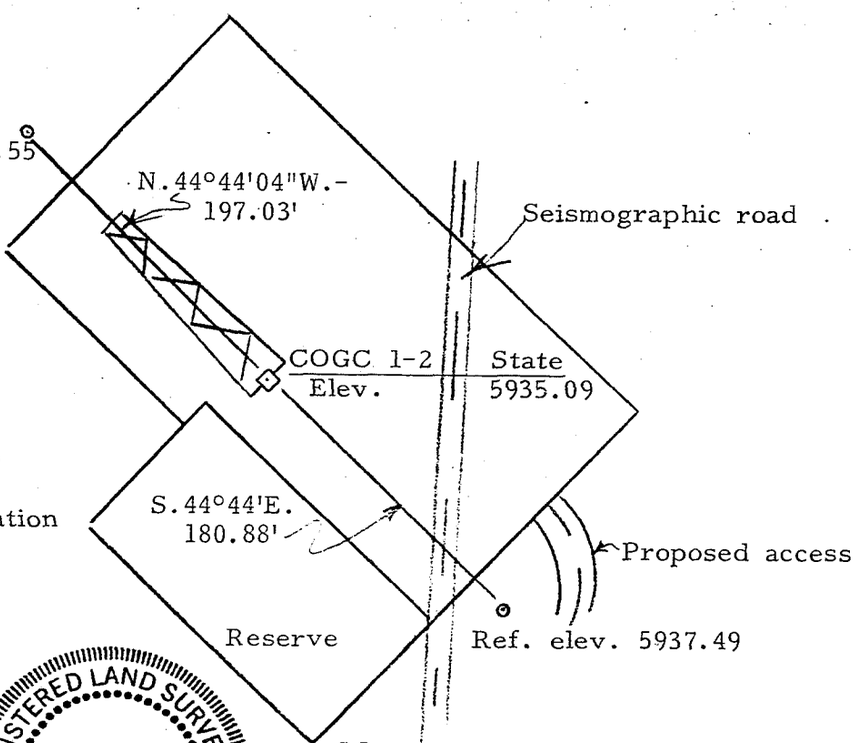
Heitzman Drill Site Services — July 3, 1985

Coastal Oil and Gas 1-2 State, Zekes Hole Prospect

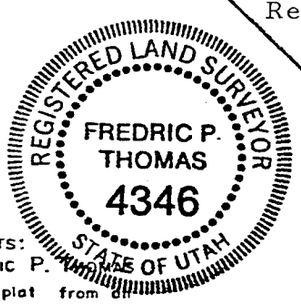


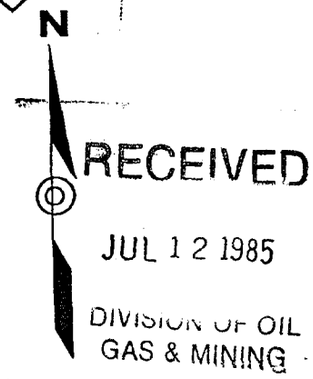
Soil: Red sandy-very rocky.

Vegetation: Juniper, pinon and native grasses.



Elevation based on UGGLO map entitle "Brushy Basin Wash, Utah" showing elevation near the N¼ Corner of Section 2, T.37S., R.21E. This elev. is 5905.





Scale: 1" = 100'

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

Bearing by Solar observation

RECEIVED
JUL 12 1985
DIVISION OF OIL GAS & MINING

THOMAS Engineering Inc.
215 N. Linden
Cortez, Colorado
565-4496

COASTAL OIL & GAS CORP.
DRILLING DEPT.

JUL 8 1985

OPERATOR Coastal Oil & Gas Corp. DATE 7-16-85

WELL NAME ~~Coastal~~ State 1-2

SEC NWNE 2 T 37S R 21E COUNTY San Juan

43-037-31185
API NUMBER

~~State~~
TYPE OF LEASE

CHECK OFF:

[✓] PLAT	[✓] BOND	[✓] NEAREST WELL
[✓] LEASE	[✓] FIELD	[✓] POTASH OR OIL SHALE

PROCESSING COMMENTS:
No other well within 1000'
Water ℞ - 85-09-9
DO. Meridian Oil Co. & Seneca - Rec'd 8/5/85

APPROVAL LETTER:

SPACING: [ ] A-3 _____ UNIT [ ] C-3-a _____ CAUSE NO. & DATE

[✓] C-3-b [ ] C-3-c

STIPULATIONS:
~~1- DO from Meridian Oil & Seneca~~
1- Line pit with 4 plastic (over fine rock) (12 mil thick)
2- Comply w/ archeological survey recommendations.
3- Submit surface use & reclamation plan
4- Surface csg. shall be set 50' into Chinle formation.

See attached

11/2/84
25020

Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

303/572-1121

July 29, 1985

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

Attention: Ms Arlene Solis

Re: COGC State #1-2
660' FNL, 1980' FEL
NW NE Section 2-T37S-R21E
San Juan County, Utah

Gentlemen:

Enclosed is Sundry Notice correcting Point 9 in the 10-Point Program accompanying our Application for Permit to Drill dated July 11, 1985.

Yours very truly,

Anne Dyer

Anne M. Dyer
Operations Analyst
Denver District Drilling Department

d

enclosure

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR: P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660' FNL, 1980' FEL NW NE

RECEIVED
JUL 31 1985
DIVISION OF OIL GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: ML-38397 State

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: NA

8. FARM OR LEASE NAME: COGC State #1-2

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 2-T37S-21E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO.: not assigned

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5935.09' GR ungrd

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)			[ ]
(Other)	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.) *

This notice is to correct Item 9 in the 10-Point Program submitted with Application for Permit to Drill:

9. Anticipated Abnormal Conditions:

It is possible H_2S will be encountered in this area; however, Coastal Oil & Gas Corporation is taking measures to be in full compliance at 5500 feet. The contractor for this safety precaution is Envirosafe Inc.

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

SIGNED L. W. Thying TITLE District Senior Engineer Denver District DATE July 29, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

303/572-1121

August 2, 1985

Ms Arlene Solis
Utah Natural Resources
Division of Oil, Gas & Mining
355 West North Temple, Suite 350
3 Triad Center
Salt Lake City, Utah 84180

Attention: Ms Arlene Solis

Re: State #1-2
NW NE Section 2-T37S-R21E
San Juan County, Utah

Gentlemen:

Enclosed are Designations of Operator, signed by Tenneco Oil Company and Marathon Oil Company, on the referenced well.

Due to many changes since Application for Permit to Drill was submitted, we will send an Amended Application for Permit to Drill upon arrival of new plats once location has been changed. Please note the well name is: State #1-2.

Thank you for your help.

Yours very truly,

Anne M. Dyer
Operations Analyst
Denver District Drilling Department

d
Enclosures
xc: H. E. Aab
L. W. Donnelly
D. P. Teason

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Utah Division of State Lands and Forestry, holder of Utah State Oil, Gas and Hydrocarbon Lease ML-38397 and hereby designates

Coastal Oil & Gas Corporation
P. O. Box 749
Denver, Colorado 80201-0749

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations with respect to

Township 37 South, Range 21 East, S.L.M.
Section 2: All

containing 641.32 acres, more or less, in
San Juan County

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Division Director or his representative.

The lessee agrees promptly to notify the Division Director of any change in the designated operator.

TENNECO OIL COMPANY

By: R. W. Cayce

Title: Division General Manager

July 26, 1985
(Date)

P. O. Box 3249, Englewood, CO 80155

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Utah Division of State Lands and Forestry, holder of Utah State Oil, Gas and Hydrocarbon Lease ML-38397 and hereby designates

Coastal Oil & Gas Corporation
P.O. Box 749
Denver, Colorado 80201-0749

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations with respect to

Township 37 South, Range 21 East, S.L.M.
Section 2: All

containing 641.32 acres, more or less, in
San Juan County

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Division Director or his representative.

The lessee agrees promptly to notify the Division Director of any change in the designated operator.

MARATHON OIL COMPANY

By: R K Bitter

Title: R. K. BITTER, Attorney in Fact

P.O. Box 2659, Casper, Wyoming 82602

July 19, 1985
(Date)

Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

303/572-1121

August 5, 1985

Ms Arlene Solis
Utah Natural Resources
Division of Oil, Gas & Mining
355 West North Temple, Suite 350
3 Triad Center
Salt Lake City, Utah 84180

Re: State 1-2
705.8' FNL, 2026.2' FEL
NW NE Section 2-T37S-R21E
San Juan County, Utah

Dear Arlene:

Enclosed please find Amended Application for Permit to Drill the referenced well, along with restaked plat with accompanying map, and Drilling Prognosis. We had submitted Designation of Agent last Friday.

Yours very truly,

Anne Dyer

Anne M. Dyer
Operations Analyst
Denver District Drilling Department

d

Enclosures

P. S. The archaeological report is being mailed separately by Complete Archaeological Services Co. in Cortez, Colorado.

AMD

Form OGC-1a

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

(Other instructions on reverse side)

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

5. Lease Designation and Serial No.: ML-38397

6. If Indian, Allottee or Tribe Name: NA

1a. Type of Work: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

7. Unit Agreement Name: NA

b. Type of Well: Oil Well [X] Gas Well [ ] Other — Single Zone [ ] Multiple Zone [ ]

8. Farm or Lease Name: State 1-2

2. Name of Operator: Coastal Oil & Gas Corporation

9. Well No.: 1

3. Address of Operator: P. O. Box 749, Denver, Colorado 80201

10. Field and Pool, or Wildcat: Wildcat

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: 705.8' FNL, 2026.2' FEL
At proposed prod. zone: NW NE Same

43-037-31185

11. Sec., T., R., M., or Blk. and Survey or Area: Section 2-T37S-R21E

14. Distance in miles and direction from nearest town or post office*: 13 miles SW of Blanding, Utah

12. County or Parrish: San Juan 13. State: Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any): 705.8 feet

16. No. of acres in lease: 641.32

17. No. of acres assigned to this well: 40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.: none

19. Proposed depth: 8600' Mc Cracken

20. Rotary or cable tools: Rotary

21. Elevations (Show whether DF, RT, GR, etc.): 5930.6'

22. Approx. date work will start*: August 15, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
13 7/8"	10 3/4"	40.5#	2350'	1240 sx
8 3/4"	5½"	20# & 17#	8600'	1030 sx

Please refer to attached copy of Drilling Prognosis.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 8/15/85
BY: John R. Baza
WELL SPACING: C-3(B)

RECEIVED
AUG 06 1985
DIVISION OF OIL GAS & MINING

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

24.

Signed: H. E. Aab Title: District Drilling Manager, Denver District Date: August 5, 1985

(This space for Federal or State office use)

Permit No. ..... Approval Date .....

Approved by ..... Title ..... Date .....

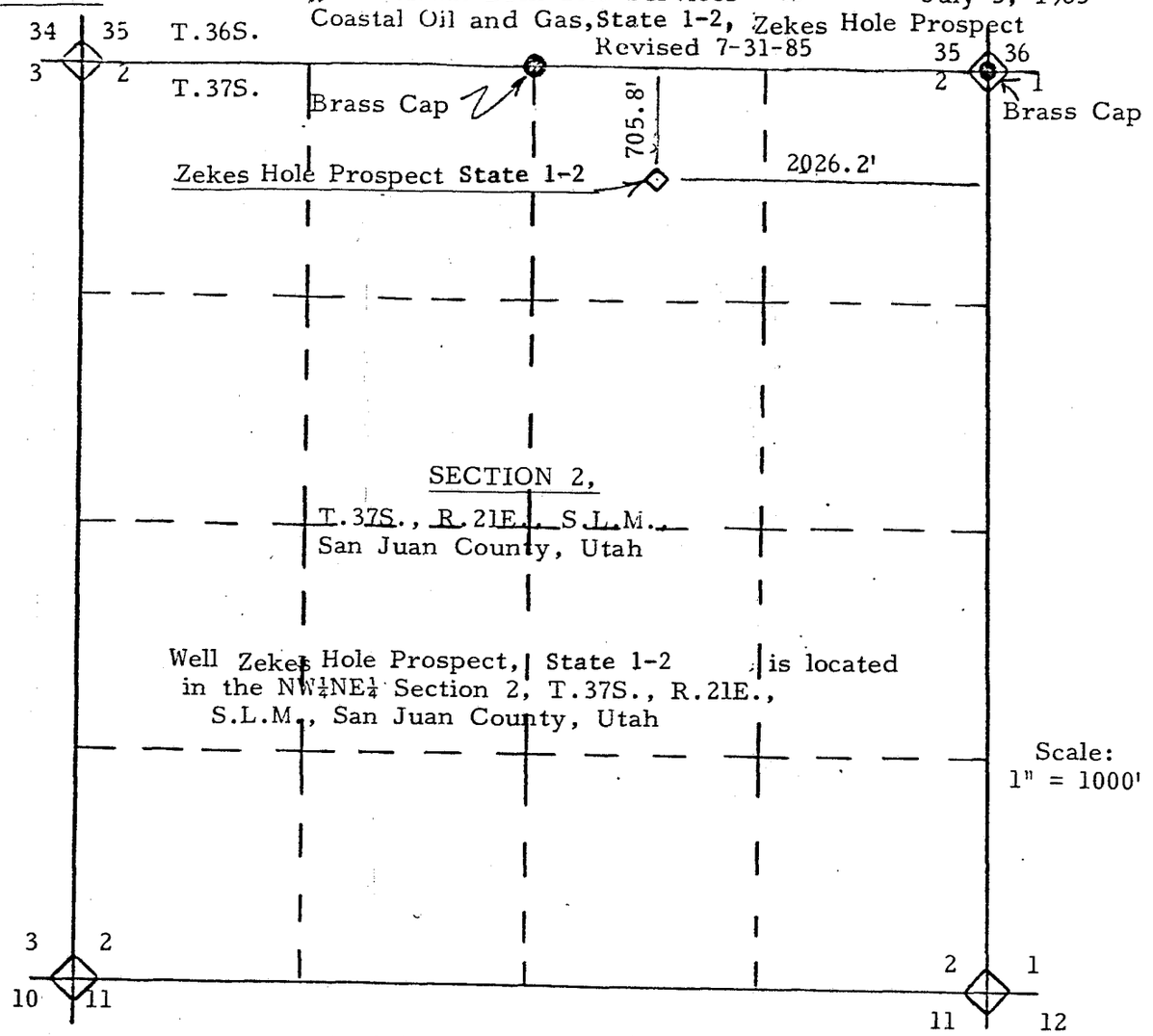
Conditions of approval, if any:

*See Instructions On Reverse Side

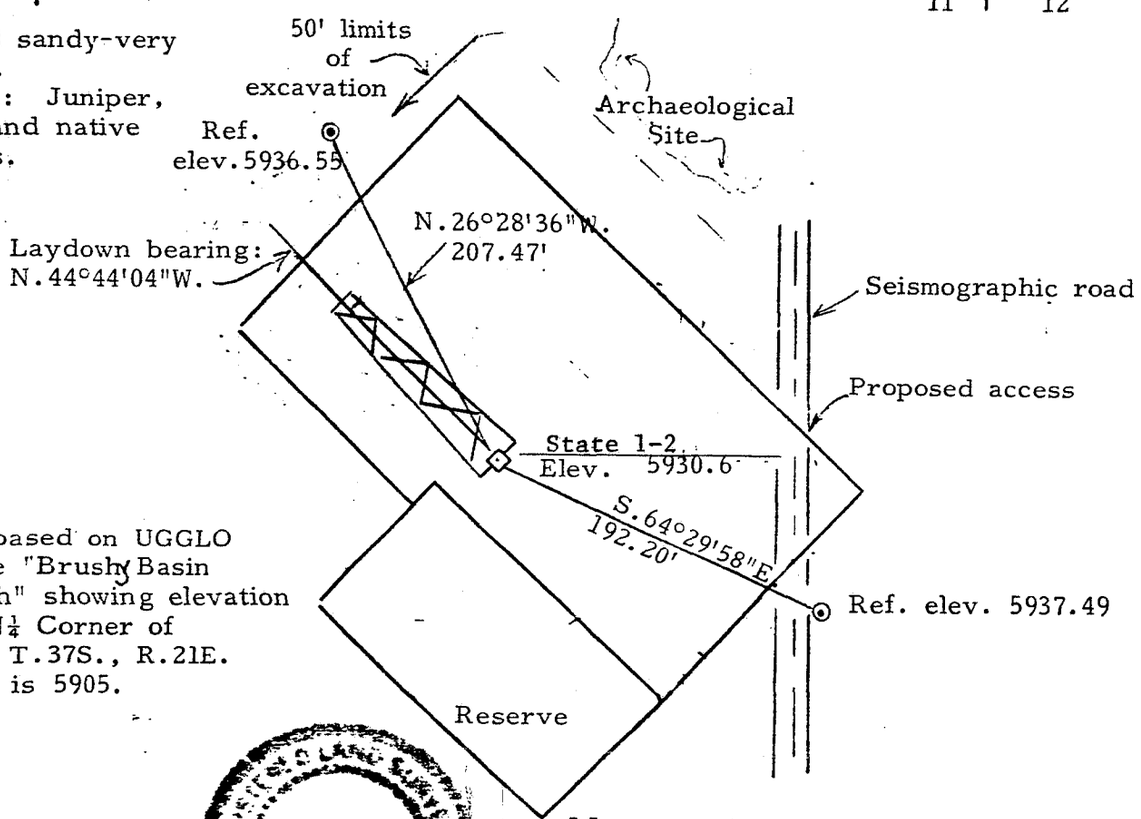
SHEET 1 OF 5

Heitzman Drill Site Services
Coastal Oil and Gas, State 1-2, Zekes Hole Prospect
Revised 7-31-85

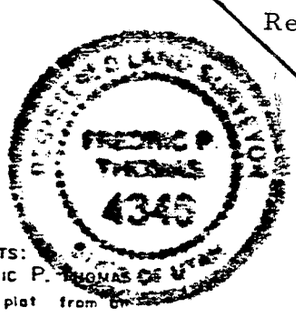
July 3, 1985



Soil: Red sandy-very rocky.
Vegetation: Juniper, pinon and native grasses.



Elevation based on UGGLO map entitle "Brushy Basin Wash, Utah" showing elevation near the N¼ Corner of Section 2, T.37S., R.21E. This elev. is 5905.



Scale: 1" = 100'

KNOW ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS OF UTAH
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. 6726
Utah Reg. No. 4346

Bearing by Solar observation

THOMAS Engineering Inc.
215 N. Linden
Cortez, Colorado
565-4496

COMPLETE ARCHAEOLOGICAL SERVICE ASSOCIATES
7 North Park Street • Cortez, Colorado 81321 • (303) 565-9229

August 6, 1985

LaMar Lindsey
Asst. State Archaeologist
Utah Division of State History
300 Rio Grande
Salt Lake City, UT 84101

Dear Mr. Lindsey,

Enclosed is one copy of a cultural resource inventory carried out for Coastal Oil and Gas Corporation of Denver. This wellpad is located on State Lands and one site was recorded during the ten acre inventory.

Also enclosed is a copy, with original photographs of the site form for site 42SA17301.

If you have any questions concerning this report, please call us.

Sincerely,

Nancy

Nancy S. Hammack
CASA

Enclosures

CC: Coastal Oil and Gas Corporation
Utah Natural Resources
Heitzman Drilling Services

Cultural Resource Inventory

Wellpad Location, Zekes Hole Prospect

State 1-2, San Juan County, Utah

By
Nancy S. Hammack
Complete Archaeological Service Associates
7 North Park Street
Cortez, Colorado 81321

Prepared for
Coastal Oil and Gas Corporation
P.O. Box 749
Denver, Colorado 80201-0749

Submitted to
Utah Division of State History
300 Rio Grande
Salt Lake City, Utah 84101

Utah Antiquities Project Permit No. U-85-10-534s

August 5, 1985

Abstract

A Class III Cultural Resource Inventory was carried out for Coastal Oil and Gas Corporation's proposed State 1-2 well location. This inventory was carried out by Laurens C. Hammack and Nancy S. Hammack of Complete Archaeological Service Associates (CASA) on July 28, 1985, under Utah Antiquities Project Permit No. U-85-10-534s. During the survey of the ten acre parcel surrounding the proposed wellpad, one site, 42SA17301, was recorded immediately adjacent to the east edge of the staked wellpad. On July 30, 1985 the wellpad was restaked in consultation with Nancy S. Hammack of CASA in order to avoid this site. The final staked wellpad location will avoid any adverse impact to site 42SA17301 and archaeological clearance is recommended for State 1-2 wellpad.

Introduction

A class III inventory of a ten acre parcel in San Juan County, Utah was carried out by Nancy S. Hammack and Laurens C. Hammack of Complete Archaeological Service Associates (CASA) on July 28, 1985. This inventory was done at the request of Dale Heitzman of Heitzman Drilling Services for Coastal Oil and Gas Corporation's proposed Zekes Hole Prospect, State 1-2 well. This proposed well is located on State of Utah land and consists of a 175 by 325 foot pad with attached reserve pit on the southwest corner (see attached plats). Access to the wellpad will be via an existing bladed seismic road.

This proposed wellsite is located approximately 3.5 miles north of State Highway 95 and Zekes Hole and approximately six miles west of Blanding (Figure 1). Detailed locational data are presented in the following Project Description. The well location is situated on a finger of mesa between Cottonwood Wash and a major tributary which joins Cottonwood Wash at Zekes Hole. The terrain slopes to the west into Cottonwood Wash, with outcroppings of sandstone bedrock in the western portions of the pad. Vegetation is pinyon-juniper with an understory of sage and various grasses and shrubs.

This inventory was carried out under Utah Antiquities Project Permit No. U-85-10-534s. A ten acre parcel was examined centered on the original staked well location. Parallel transects no more than 15 m apart were walked using a compass for orientation.

Prior to the field work, a records search was carried out with the Division of State History in Salt Lake City. This record search indicated that there were no previously recorded sites in the vicinity of the wellpad and no surveys had been carried out in the area.

Inventory Results

One site was located within the ten acre survey parcel(Figure 1). Site 42SA17301 (Figure 2) consists of a two room masonry foundation with associated trash deposits, a slab-lined cist(Figure 4), and several rubble scatters which may represent extramural jacal features or ramadas. The site was occupied during the Pueblo I period (700-900A.D.) and appears to have been sporadically utilized during the Pueblo II period. A detailed site description and location are given in the following section.

As originally staked, construction of Coastal Oil and Gas Corporation's State 1-2 wellpad would have partially destroyed this site due to the size of the cut along the east edge of the pad(Figure 3). In order to avoid the site, the wellpad was moved 65 feet to the southwest, resulting in 50 feet between the southwest boundaries of the site and the top of the cut along the east side of the wellpad. The wellpad was restaked on July 30 by Thomas Engineering accompanied by Nancy S. Hammack of CASA. At that time the site boundary was well marked with striped flagging.

Site 42SA17301

USGS Map: Brushy Basin Wash, Utah, 15 min., 1957

Legal Location: NW¼ of NW¼ of NE¼ of Section 2, Township 37 South, Range 21 East, San Juan County, Utah

UTM: Zone 12, 4162750N/625975E

Ownership: State of Utah

Environment: Site is situated on top and northeast facing slope of low ridge on interior of mesa. Mesa slopes to west, overlooking Cottonwood Wash. The elevation of site is 5,920 feet. Site is on shallow reddish sandy soil with sandstone bedrock just to the west of the site boundaries. Vegetation on and surrounding the site consists of pinyon-juniper woodland with an understory of sage, rabbitbrush, snakeweed, and a variety of grasses. The nearest permanent water source is unknown.

Cultural Affiliation: Anasazi, Pueblo I, with traces of Pueblo II.

Site Description: This site consists of a small sandstone masonry rubble mound containing two rooms. A trash scatter is located to the northeast of the rubble mound. A sandstone slab cist is present app. 15 m west of the main site area and a possible slab-lined hearth is visible on the west edge of the trash area. A number of sandstone rubble concentrations indicate that jacal structures or ramadas may be present. Cultural materials included a trough metate fragment and a basin metate fragment, flaked lithics of pink and red streaked cherts, diorite, and white chalcedonies, as well as several petrified wood hammerstones. Ceramics included neck-banded greywares, White Mesa variety of Piedra Black-on-white, and Bluff Black-on-red. Several Mancos Black-on-white and corrugated sherds indicate that the site may have been utilized on a short term basis during the Pueblo II period.

Significance and NRHP: The presence of undisturbed architecture and subsurface deposits at this site indicate that it has a high research potential and is eligible for nomination to the National Register of Historic Places.

Project Specific Impacts and Recommendations: If the wellpad is constructed as restaked, no adverse impacts should occur. It is recommended that no topsoil or brush be piled on the east edge of the wellpad and that no construction equipment be allowed within the site area as marked.

Management Recommendations

Cultural Resource clearance is recommended for Coastal Oil and Gas Corporation's 1-2 State wellpad construction with the following stipulations. The top of the cut along the east line of the wellpad should be no less than 50 feet from the southwest edge of site 42SA17301. No construction equipment or personnel should be allowed beyond flagged site boundaries. No dirt or brush stockpiling should be allowed on the east side of the wellpad. If these recommendations are followed, any adverse impact to site 42SA17301 will be avoided.

Project Description

Project Name: Coastal Oil and Gas Corporation State 1-2

Map Reference: USGS Brushy Basin, Utah, 15 min., 1957

Legal Description: NW¼ of NW¼ of NE¼ of Section 2, Township 37 South, Range 21 East, San Juan County, Utah.

UTM: Zone 12, 4162700N/625950E

Elevation: 5,930 feet

Ownership: State of Utah

Area Surveyed: Ten acres (access by existing seismic road)

Environment: Proposed wellpad is located on west facing slope of mesa overlooking Cottonwood Wash. Terrain is rocky with ledges of sandstone interspersed with low shallow ridges of reddish sandy soil and shallow drainages. Vegetation is pinyon-juniper woodland with and understory of sage, rabbitbrush, snakeweed, and various grasses.

Cultural Resources: One site, 42SA17301, recorded just northeast of east line of wellpad, but avoided by restaking of wellpad. Site is small rubble mound dating to Pueblo I period with several associated features. Site is considered significant and eligible for nomination to the NRHP.

Recommendations: Archaeological clearance is recommended for this wellpad with the stipulation that no topsoil or brush be piled on the east side of the pad and that no construction equipment be allowed beyond the marked site boundaries.

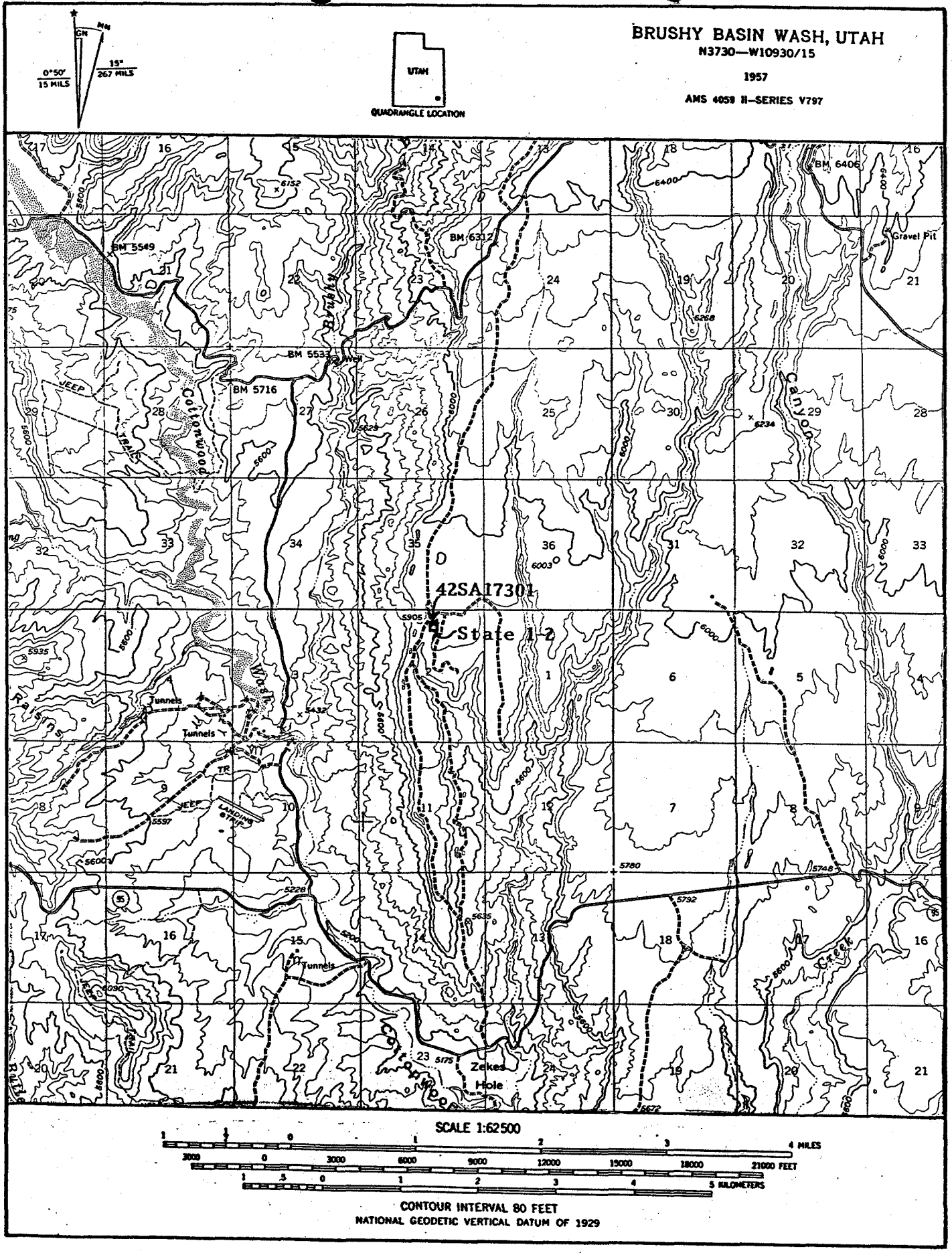


Figure 1. Location map for site 42SA17301 and State 1-2 wellpad ten acre survey area.

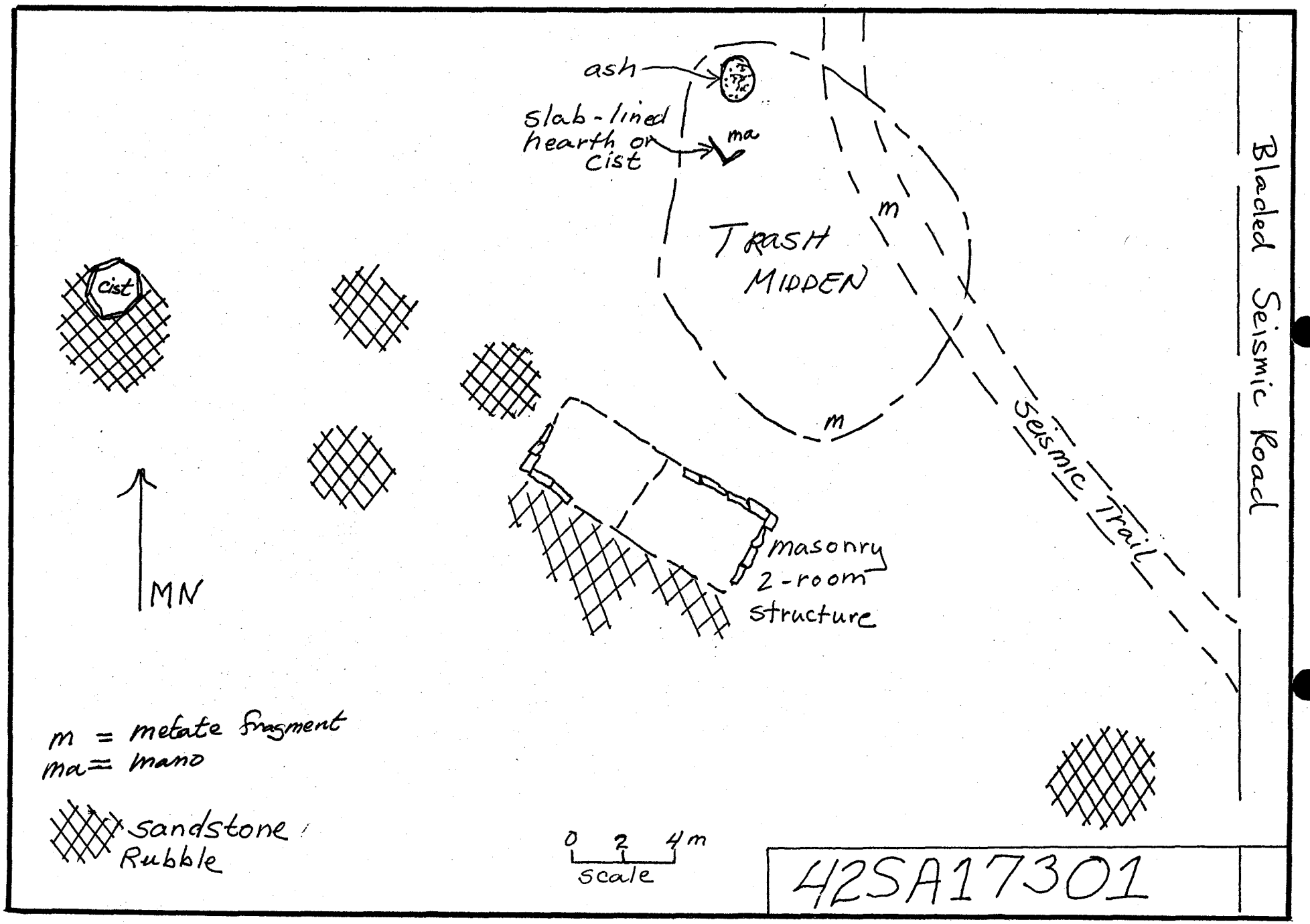


Figure 2. Site Map, 42SA17301.

Figure 3. Site 42SA17301. Rubble mound, looking northwest.

Figure 4. Site 42SA17301. Sandstone slab cist, looking northeast.

ENVIROSAFE, INC.

2901A North University Avenue
Williston, North Dakota 58801
Phone: 701/774-0218

COASTAL OIL & GAS CORPORATION
600 17TH STREET, SUITE: 800-SOUTH
P.O. BOX 749
DENVER, COLORADO 80201
COASTAL FEDERAL 1-2 STATE
SECTION 2, T-37S, R-21E
SAN JUAN COUNTY, UTAH

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 8/15/85
BY: John R. Baza

With modifications - p. 12, 18 and p. 26.

CONTINGENCY & EVACUATION PLAN

This Contingency Plan was written specifically for:

COASTAL OIL & GAS CORPORATION

600 17TH STREET, SUITE; 800-S

P.O. BOX 749

DENVER, COLORADO 80201

(303) 572-1121

Action Plan for Accidental Release of H2S

COASTAL FEDERAL 1-2 STATE

SECTION 2, T-37S, R-21E

SAN JUAN COUNTY, UTAH

CONTINGENCY PLAN INDEX

I. INTRODUCTION

A. Oil Company Address and Legal Description of Well Site
B. Directions to Well Site
C. Purpose of Plan

II. LOCATION LAYOUT

A. Location Map
   1) Safety Briefing Areas
   2) Directions of Prevailing Winds
   3) Wind Sock Locations
   4) 2nd Emergency Escape Route
B. General and Specific Area Maps

III. SAFETY EQUIPMENT

A. Safety Equipment Provided by ENVIROSAFE, INC.
B. Type of Equipment and Storage Locations
C. Maximum Number of People on Location at any one time

IV. OPERATING PROCEDURES

A. Blowout Prevention Measures During Drilling
B. Gas Monitoring Equipment
C. Crew Training & Protection
D. Metallurgical Considerations
E. Drilling Mud Program

V. OPERATING CONDITIONS

A. Definition of Warning Flags
B. Circulating Out Kick
C. Coring Operations in H2S Bearing Zones
D. Drill Stem Testing Procedures

VI. EMERGENCY PROCEDURES

A. Sounding Alarm
B. Drilling Crew Actions
C. Responsibilities of Personnel
   Steps to be Taken
   1) Company Personnel
   2) Contract Personnel
D. Leak Ignition
E. General Equipment

VII. LIST OF APPENDICES

1. Emergency & Medical Facilities
2. Law Enforcement Agencies & Fire Fighting Facilities
3. Governmental Agencies
4. Radio & Television Stations
5. Air Service & Motels/Hotels

VIII. RESIDENTS

A. Residents Within 2 Mile Radius and Telephone Numbers

IX. ADDITIONAL INFORMATION

A. Hydrogen Sulfide Essay
B. Do You Know?
C. Rescue Breathing
D. The Use of Self-contained Breathing Equipment
E. Instruction Manual for Use of Scott SKA-PAK
F. Operating & Maintenance Instruction for Scott Air-Pak IIA

CONTINGENCY & EVACUATION PLAN

COASTAL OIL & GAS CORPORATION

600 17TH STREET, SUITE: 800-S

P.O. BOX 749

DENVER, COLORADO 80201

(303) 572-1121

WELL: COASTAL FEDERAL 1-2 STATE

LOCATION: SECTION 2, T-37 SOUTH, R-21 EAST

SAN JUAN COUNTY, UTAH

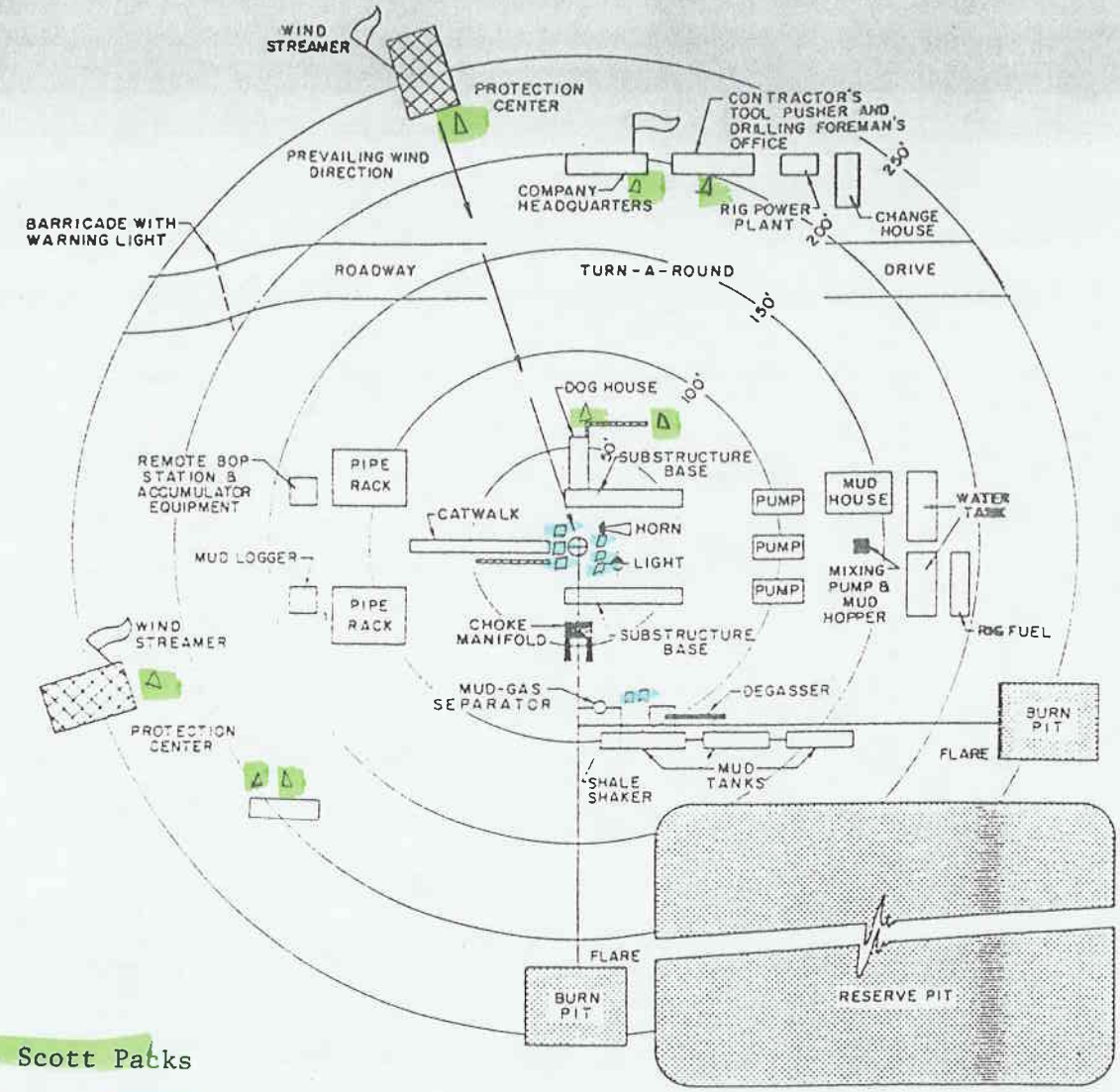
DIRECTIONS TO WELL SITE:

Take Highway 191 South out of Blanding, Utah. Go approximately 7.6 miles - take a right on a dirt road and go 2 1/2 mile to location.

PURPOSE OF PLAN:

The purpose of this plan is to safeguard the lives of the public, contract personnel and company personnel in the event of equipment failures or disaster during drilling or completion operations in formations which may contain H2S, Hydrogen Sulfide Gas.

As a precautionary measure, this contingency plan has been prepared to assure the safety of all concerned, should a disaster occur. However, Coastal Oil & Gas Corp. may have specified materials and practices for the drilling or completion of this well which supercede the minimum requirements as outlined in this plan.



30 Minute Scott Packs

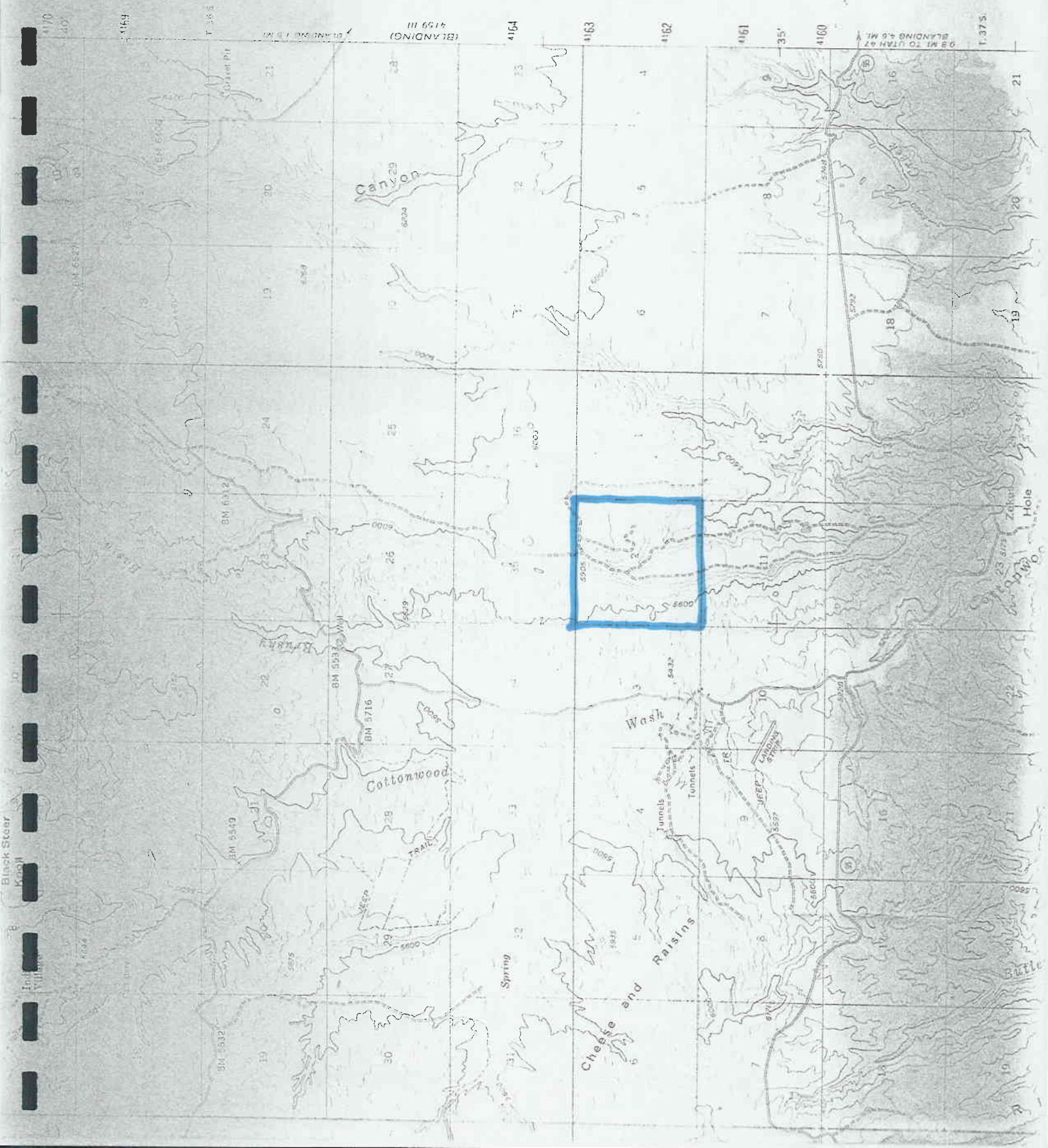
5 Minute Scott Packs

FIG. 1
TYPICAL DRILLING EQUIPMENT
LAYOUT—UNCONFINED LOCATION

This is a standard rig layout map.

WIND CONDITIONS: Wind blows from the northwest to the southeast.

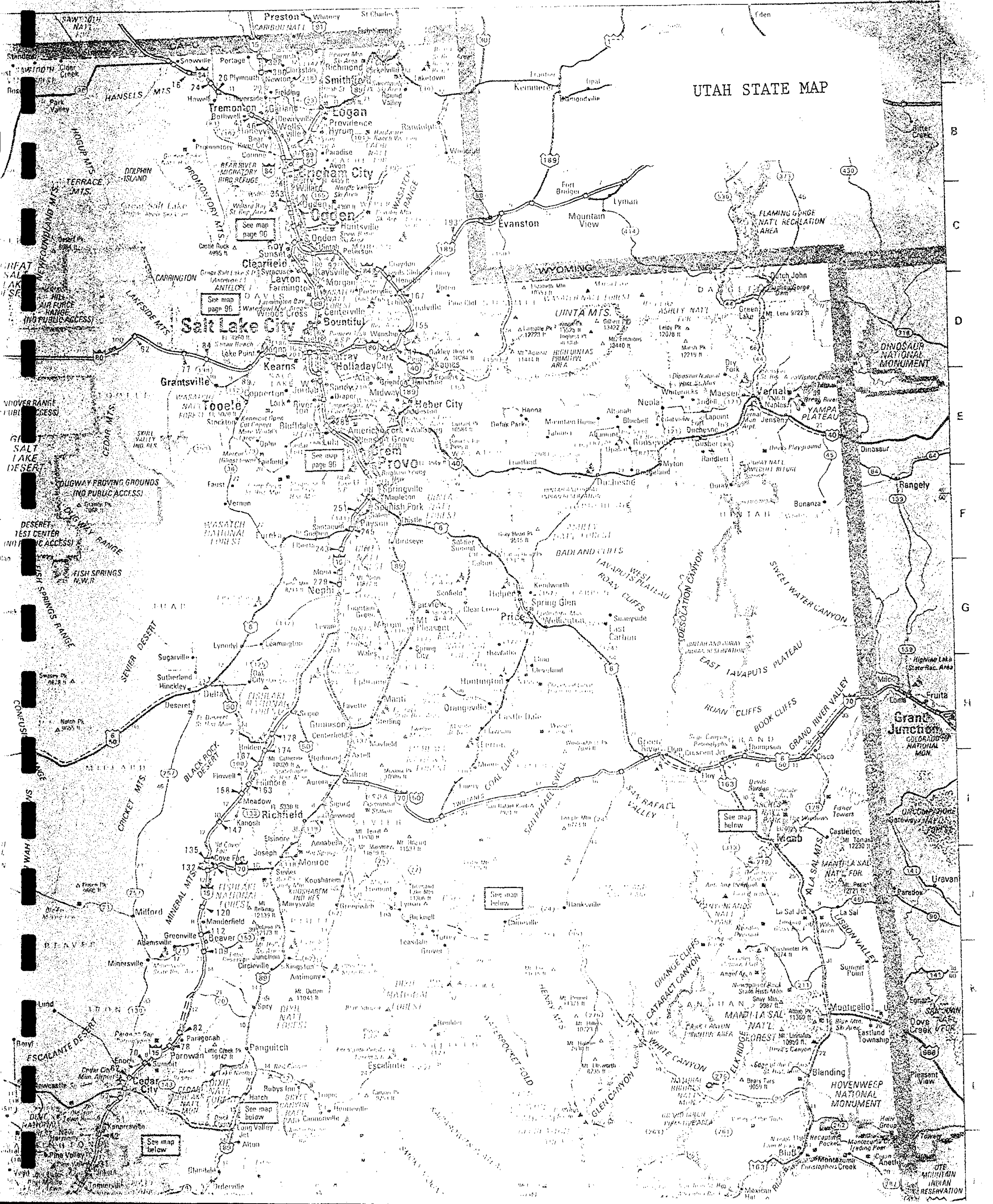
SAN JUAN COUNTY, UTAH - MAP



Mileage in red between red arrowheads, in black between intersections. Some interchange numbers indicate mileage.

Canyonlands National Park, L 10
Capitol Reef National Park, L 8
Cedar Breaks National Monument, L 4
Dinosaur National Monument, E 11
Golden Spike National Historic Site, B 5
Zion National Park, M 4

Capital: Salt Lake City, D 6
Largest City: Salt Lake City, D 6
Index page 127



SAFETY EQUIPMENT

A. SAFETY EQUIPMENT PROVIDED BY ENVIROSAFE, INC.

* Safety trailer with 10-380 cu. ft. cylinder cascade air supply system.
* 1000' low pressure air line hose with quick connects
* Two 3 man work-pack stands with low pressure manifolds
* Eight air line masks with emergency escape cylinders
* Eight 30 minutes self contained breathing apparatus
* Three wind socks, frames and adjustable poles
* Oxygen powered resuscitator with spare 02 cylinder
* One 36 unit first aid kit
* One 20 lb. fire extinguisher
* One stretcher
* Flare gun with shells (supplied on request)
* Gastec pump type gas detector with full range of H2S detector tubes.
* One 300 cu. ft. cylinder with regulator and filler hose for Briefing Area #2
* H2S and Briefing Area signs
* Well Condition gate sign and flags

Explosion proof bug blower furnished upon request with an additional charge.

Detection Equipment:

* 3 Channel electronic monitor with explosion-proof warning system

NOTE: ADDITIONAL EQUIPMENT WILL BE ADDED AS CONDITIONS REQUIRE.

B. TYPE OF EQUIPMENT AND STORAGE LOCATIONS

1. There will be eight SCOTT air line masks on location. Five will be located on the rig floor and two will be located at the shale shaker. One will be in the derrick. Each air line mask will have an easily accessible air line hose.

2. There will be eight 30 minute self contained breathing apparatus on location. They will be positioned as follows: 1 at Company Representative's trailer, 1 at Tool Pusher's trailer, 1 at Briefing Area #1, 1 at Briefing Area #2, 1 at rig dog house stairway, 2 at mud logger's trailer and 1 at third live-in trailer on location.

3. Briefing Area #1 will also have the following equipment: 1 resuscitator, 1 first aid kit (36 unit), 1 stretcher and 1 20 lb. fire extinguisher.

4. A gastec pump type gas detector and tubes will be located in the dog house.

C. NOTE: There will be a maximum of 12 persons on location at any one time, unless additional respirators are provided during special operations where more than 12 persons will be on location, such as running and cementing production casing.

OPERATING PROCEDURES

A. BLOWOUT PREVENTION MEASURES DURING DRILLING

1. Blowout preventor requirements:

   All BOP equipment shall meet the American Petroleum Institute's specifications as to materials acceptable for H2S service. As a minimum requirement, all ram-type preventors will be tested to 70% of the rated working pressure of the stack. The annular-type preventors will be tested to 50% of their rated working pressures. Tests must be run at the time of installation, prior to drilling out of each casing shoe, and at least every 7 days or first trip out of the hole after seven days since the previous pressure test.

2. Drill string requirements:

   All drill string components are to be of material that meet the American Petroleum Institute's specifications for H2S service. All drill string components will be inspected to IADC critical service specifications prior to running in well. Corrosion will be monitored by coupons to protect drill string.

B. GAS MONITORING EQUIPMENT

1. A continuous H2S monitoring system with three H2S detection heads will be in operation, one sampling from the shale shaker, one sampling from the bell nipple below the rotary table and a third sensor head will be located in the rig cellar. All units should be monitored in the mud logger's trailer and/or the dog house. Each unit will be set to trigger a blinking light on the rig floor should the amount of H2S reach 10 PPM and to trigger the alarm should the amount of H2S reach 20 PPM. Any time it is necessary to deactivate the alarm (if H2S is continuously present), a trained operator or H2S supervisor will monitor the H2S detection system.

2. When approaching or completing H2S formations, crew members may attach 8 hour H2S electronic personnel monitors to their person, if warranted.

3. Hand Held H2S sampling gas detectors will be used to check areas not covered by automatic monitoring equipment.

C. CREW TRAINING & PROTECTION

1. Blowout prevention drills:

Pit drill and trip drill training will be held with each crew until proficient in closing the well in. Drills will be held on a regular basis with the completion foreman or contract tool pusher triggering the alarm. Reaction time will be checked from the time the alarm goes off until well is simulated closed in. Closing time should be under two minutes. A copy of the Operators/Contractors blowout drill procedures will be posted on the rig floor.

2. H2S Training and drills:

A. H2S safety training will be given to all personnel at 1,000 feet above the expected H2S formation. The training sessions will cover, but will not be limited to, the following:

a. General information on H2S and SO2 gas.

b. Hazards of these gases.

c. Safety equipment on location.

d. Proper use and care of personal protective equipment.

e. Operational procedures in dealing with H2S gas.

f. Evacuation procedures.

g. Chemicals to be used in mud to control H2S.

h. First aid, reviving and H2S victim, toxicity, etc.

i. Buddy system (working in pairs).

j. Designated safe briefing areas (S.B.A.).

k. Regulations.

B. H2S drills should be held on a surprise basis during drilling (or completion) and tripping operations. The drilling foreman or contract tool pusher will trigger the H2S alarm and crews will proceed to get the masks on, and secure well as per posted B.O.P. drill procedures. The times and dates of the H_2S drills will be documented on the driller's log.

a. When H2S alarm is activated:

1. Mask up.

2. Raise tool joint above rotary table and shut down pump.

3. Close hydril.

4. Go to Safe Briefing Area.

3. Safety Equipment:

As outlined in the Safety Equipment index, H2S safety protection equipment will be available to/or assigned each person on location and training given in correct usage, 1000' or 7 days prior to entering the first H2S bearing formation.

D. METALLURGICAL CONSIDERATIONS

1. Steel drill pipe used in Hydrogen Sulfide environments should have a yield strength of 95,000 psi or less because of potential embrittlement problems. Drill stem joints near the top of the drill string are normally under the highest stress levels during drilling and do not have the protection of elevated downhole temperatures. These factors should be considered in design of the drill string. Precautions will be taken to minimize drill string stresses caused by conditions such as excessive dogleg severity, improper torque, whip, abrasive wear on toll joints and joint imbalance. American Petroleum Institute, Bulletin RR 7G, will be used as a guideline for drill string precautions.

2. Corrosion inhibitors may be applied to the drill pipe or to the mud system as an additional safeguard.

3. Blowout preventors should meet or exceed the recommendations for Hydrogen Sulfide service as set forth in the latest edition of API RP 53.

E. MUD PROGRAM AND TREATING

1. It is of utmost importance that the mud be closely monitored for detection of H2S and reliability of the H2S treating chemicals.

2. Identification and analysis of sulfides in the mud and mud filtrate will be carried out regularly.

3. The water base mud system will be pre-treated with Zinc Carbonate and Ironite Sponge of similar chemicals for H2S control prior to drilling into the H2S bearing formation. Continue maintaining residual concentration of 2 to 3 PPM by monitoring. Sufficient chemical will be on location to increase residual concentration, if needed to control larger influxes of H2S. Mud ph will be maintained at 10 or above at 1,000 feet prior to the same.

   Sufficient quantities of Failsafe 17, Corrosion Inhibitor, will be on location to treat the drill string during Drill Stem Test operations. Additionally, Aqua Ammonia will be on hand to treat the drill string for crew protection, should H2S be encountered while tripping string following drill stem testing.

OPERATING CONDITIONS

A Well Condition sign and flag will be posted on all access roads into the location.

A. DEFINITION OF WARNING FLAGS

1. Condition:

GREEN -- NORMAL OPERATIONS

2. Condition

YELLOW - - POTENTIAL DANGER, CAUTION

a. Cause for condition:

(1) Circulating up drilling breaks.
(2) Trip gas after trip.
(3) Circulating out gas on choke.
(4) Poisonous gas present, but below threshold concentrations.
(5) Coring.
(6) Drill stem testing.

b. Safety action:

(1) Check safety equipment and keep it with you.
(2) Be alert for a change in condition.
(3) Follow instructions.

3. Condition

RED -- EXTREME DANGER

a. Cause for condition:

(1) Uncontrolled flow from well with lethal concentrations of H2S.

b. Safety action:

(1) Mask up. All personnel will have protective breathing equipment with them. All personnel will stay in Safe Briefing Area unless instructed to do otherwise.

(2) The decision to ignite the well is the responsibility of the operators on-site representative and should be made only as a last resort, when it is clear that:

a. Human life is endangered.
b. There is no hope of controlling the well under prevailing conditions.

(3) Order evacuation of local people within the danger zone. Request help from local authorities, State Police, Sheriff's Department and Service Representative.

B. CIRCULATING OUT KICK

If it is suspected that H2S is present with the gas, whenever a kick is taken, the driller's method or the wait & weight method of eliminating gas and raising the mud weight will be followed.

1. Wait & Weight Method:

   a. Increase density of mud in pits to "kill" weight mud.

   b. Open choke and bring pump to initial circulating pressure (I.C.P.) by holding casing pressure at original value only until pump is up to predetermined speed (S.P.M.).

   c. When initial circulating pressure is obtained on drill pipe, zero pump stroke counter and record time.

   d. Reduce drill pipe pressure from initial circulating pressure (I.C.P.) to final circulating pressure (F.C.P.) by using pump strokes and/or time according to graph.

   e. When "kill" weight mud is at the bit, hold final circulating pressure (F.C.P.) until kill weight mud is to surface.

If a kick has occurred, the standard blowout procedure will be followed and the wait and weight method will be used to kill the well. When the well has been put on the choke and circulation has been established, the following safety procedure must be established.

1. Determine when gas is anticipated to reach surface.

2. All non-essential personnel must be moved to Safe Briefing Area.

3. All remaining personnel will check out and keep with them their protective breathing apparatus.

4. Mud men will see that the proper amount of H2S scavenging chemical is in the mud and record times checked.

5. Make sure ignition flare is burning and valves are open to designated flare stacks or pits.

6. Should anything develop where additional personnel are required, the operator's on-site representative will immediately proceed to a Safe Briefing Area for necessary apparatus to assist.

C. CORING OPERATIONS IN H2S BEARING ZONES

1. Personnel protective breathing apparatus should be worn from 10 to 20 stands in advance of retrieving the core barrel. Cores to be transported should be sealed and marked for the presence of H2S.

   a. Yellow caution flag will be flown at the well condition sign.

   b. The No Smoking rule will be enforced.

D. DRILL STEM TESTING

1. Drill Stem Testing of Hydrogen Sulfide zones will be permitted in daylight hours only.

2. All non-essential personnel will be moved to a "Safe Briefing Area".

3. Put on air mask before formation fluids are expected at the surface and continue "MASK ON" until flares are lighted and work areas test no more than 10 PPM Hydrogen Sulfide and the area has been declared safe.

4. If warranted, the use of Ammonia Hydroxide, (26 Degree Beaume' Aqua Ammonia) for neutralizing the toxicity of Hydrogen Sulfide from drill string.

   a. During drill stem tests, adequate Filming Amine for H2S corrosion and Aqua Ammonia for neutralizing H2S, will be on location.

5. The DST subsurface equipment will be suitable for H2S service as recommended by the American Petroleum Institute.

6. The No Smoking rule will be enforced.

7. DST fluids will be circulated through a separator to permit flaring of gas. A continuous pilot light will be used.

8. A yellow or red flag will be flown at entrance to location depending on present gas conditions.

EMERGENCY PROCEDURES

A. SOUNDING ALARM

The fact is to be instilled in the minds of all rig personnel that the sounding alarm means only one thing: **H2S IS PRESENT.** Everyone is to proceed to his assigned station and the contingency plan is put into effect.

B. DRILLING CREW ACTIONS

1. All personnel will don their protective breathing apparatus. The driller will take necessary precautions as indicated in **OPERATING PROCEDURES.**

2. The Buddy System will be implemented. All personnel will act upon directions from the operator's on-site representative.

3. If there are non-essential personnel on location, they will move off location.

4. Entrance to the location will be patrolled, and the proper well condition flag will be displayed at the entrance to the location.

C. RESPONSIBILITIES OF PERSONNEL

In order to assure the proper execution of this plan, it is essential that one person be responsible for and in complete charge of implementing these procedures. The responsibility will be as follows:

1. The operator's on-site representative or his assistant.

2. Contract tool pusher. Should he become disabled,

3. Envirosafe, Inc.'s representative.

In the event of an accidental release of a potentially hazardous volume of H2S the following steps will be taken:

1. Contact by the quickest means of communications:

   The main offices of Oil Company & Contractor as listed on the following page. The Division of Oil, Gas & Mining shall be Contacted as listed in Appendix III.

2. An assigned crew member will blockade the entrance to the location. No unauthorized personnel will be allowed entry into the location.

3. The operator's on-site representatives will remain on location and attempt to regain control of the well.

COASTAL OIL & GAS CORPORATION - COMPANY PERSONNEL CONTACTS:
AND
DRILLING CONTRACTOR PERSONNEL

COASTAL OIL AND GAS CORPORATION
P.O. BOX 749
DENVER, COLORADO 80201 . . . . . Office: (303) 572-1121

H.E. Aab, ... Office: (303) 572-1121
District Drilling Manager Home: (303) 710-9825

Lee Thying, ... Office: (303) 572-1121
District Drilling Engineer Home: (303) 693-9419

COASTAL OIL & GAS CORPORATION
NINE GREENWAY PLAZA, SUITE: 474
HOUSTON, TEXAS 77046 . . . . . Office: (713) 877-6187

W.R. "Ray" Curtis . . . . . Office: (713) 877-6187
Corporate Safety Supervisor . . . . . Home: (713) 495-8644

Drilling Contractor - Not Known at this time

Section C. Responsibilities Continued . . . . .

4. The Drilling Company's rig superintendent will begin evacuation of those persons in immediate danger. He will begin by telephoning residents in the danger zone.

   In the event of no contact by telephoning, the tool pusher will proceed at once to each dwelling for a person-to-person contact. In the event the tool pusher cannot leave the location, he will assign a responsible crew member to proceed in the evacuation of local residents. Upon arrival, the Sheriff's Department and Envirosafe, Inc personnel will aid in further evacuation.

D. LEAK IGNITION

Leak Ignition procedure: (used to ignite a leak in the event it becomes necessary to protect the public).

1. Two men, the operator's on-site representative and the contractor's rig operator or an Envirosafe, Inc. representative, wearing self-contained pressure demand air masks must determine the perimeter of the flammable area. This should be done with one man using an H2S detector and the other one using a flammable gas detector. The flammable perimeter should be established at 30% to 40% of the lower flammable limits.

2. After the flammable perimeter has been established and all employees and citizens have been removed from the area, the ignition team should move to the up-wind area of the leak perimeter and fire a flare into the area. If the leak isn't ignited on the first attempt, move in 20 to 30 feet and fire again. Continue moving in and firing until the leak is ignited or the flammable gas detector indicates the ignition team is moving into hazardous area (75-80% of lower flammable limits.) If trouble is incurred in igniting the leak by firing toward the leak, try firing 40 degrees to 90 degrees to each side of the area where you have been firing. If still no ignition is accomplished, ignite the copper line burner and push it into the leak area. This should accomplish ignition. If ignition is not possible due to the makeup of the gas, the toxic leak perimeter must be established and maintained to insure evacuation is completed and continued until the emergency is secure.

3. The following equipment and man-power will be required to support the ignition team:

   a. One 25 mm type flare gun or one sawed-off 12-gauge shotgun, or one 12 gauge flare pistol.

   b. Four pressure demand air packs.

   c. Two 250' lengths of 3/8" nylon rope tied to the ignition teams waists.

   d. Two men in a clear area equipped with air packs, who are capable of rescuing the ignition team.

   e. Portable butane bottle with 100' of copper line attached to a burner.

E. GENERAL EQUIPMENT

1. Two areas of location will be designated as **BRIEFING AREAS**. The one that is upwind from the wellbore will be designated as the **"SAFE BRIEFING AREA"**.

2. In the case of an emergency, personnel will assemble in the upwind **"SAFE BRIEFING AREA"** as per prior instructions from the operator's representative.

3. The H2S **"SAFETY"** trailer provided by Envirosafe, Inc. will contain 10-300 cu. ft. cylinders, a resuscitator, one 30 minute air pack, and will have a wind sock or streamer to indicate wind direction.

4. Two other wind socks will be installed so as to be visible from all parts of the location.

5. A condition warning sign will be displayed at the location entrances of current operating conditions.

6. A list of emergency telephone numbers will be kept on rig floor, contract tool pusher's trailer, the Oil Company's trailer and in the **"SAFETY"** trailer.

7. Two barricades will be available to block the entrance to location should an emergency occur.

8. An undulating high and low pitch siren will be installed in the derrick "A" leg.

9. An explosion proof bug blower (fan); upon request - will be installed under the rig floor to disperse possible accumulations of H2S. This blower will then be provided by Envirosafe, Inc. and delivered to the rig. However, due the many various types of electrical connections in use, it will be the responsibility of the operator to provide the proper electrical hookup to the rig power source.

LIST OF APPENDICES

APPENDIX I. . . . . .EMERGENCY & MEDICAL FACILITIES

APPENDIX II . . . . . .LAW ENFORCEMENT AGENCIES & FIRE FIGHTING FACILITIES

APPENDIX III. . . . . .GOVERNMENTAL AGENCIES

APPENDIX IV . . . . . .RADIO & T.V. STATIONS

APPENDIX V. . . . . .AIR SERVICE & MOTELS/HOTELS

APPENDIX I

EMERGENCY & MEDICAL FACILITIES

Ambulance Services:

Moab, Utah	(801) 259-7403
Cortez, Colorado	0-ZENITH 110

Hospitals:

San Juan County Hospital Monticello, Utah	0-ZENITH 110 or (801) 587-2116
Allen Memorial Hospital. Moab, Utah	(801) 259-7191

Doctors in the Area:

Moab, Utah:

D. Marquaret, M.D.	(801) 259-8916
J. Munsey, M.D.	(801) 259-6187

Monticello, Utah:

Carroll Goon, M.D.	(801) 587-2282
Jerrald Smith, M.D.	(801) 587-2522

Veterinary Clinics:

Donald Hoffman, D.V.M. Moab, Utah	(801) 259-5216
Clyde Watkins, D.V.M.	(801) 678-2414

DIRECTIONS: To San Juan County Hospital in Monticello; Leave location go .3 miles to 191 Turn right and go 4.6 miles to Blanding. Turn right on 191 North and go 21 miles to Monticello, Utah. Turn left on Center Street go 3 blocks to North 2nd, turn right and go 1 block to 1st North then turn left - Hospital on the right hand side.

APPENDIX II

LAW ENFORCEMENT AGENCIES AND FIRE FIGHTING FACILITIES

Utah State Highway Patrol . . . . . (801) 587-2662

Sheriff's Departments:

Moab, Utah	(801) 259-8115
Monticello, Utah	(801) 587-2237

Fire Departments:

Monticello, Utah	(801) 587-2500
Blanding, Utah	(801) 678-2313
La Sal, Utah	(801) 686-2246

APPENDIX III

GOVERNMENTAL AGENCIES

Bureau of Land Management

Monticello, Utah . . . . . (801) 587-2201

Moab, Utah . . . . . (801) 259-6111

Utah Division of Oil, Gas, and Mining — During working hours 538-5340
Salt Lake City, Utah . . . . . (801) ~~538-5771~~

Forest Service
Monticello, Utah . . . . . (801) 587-2114

or if after working hours:

Pat DeGruyter, Moab (801) 259-6398
John Baza, Salt Lake City (801) 298-7695
R. J. Firth, Salt Lake City (801) 571-6068

APPENDIX IV

RADIO AND TELEVISION STATIONS

KUTA Radio Station . . . . . (801) 678-2262
Blanding, Utah

APPENDIX V

AIR SERVICE & MOTELS/HOTELS

Air Services:

Moab, Utah
Life Flight Service . . . . . (801) 259-7403

St. Mary's Hospital-Grand Junction, Colorado
Life Flight Service 1-800-525-4224

Motels/Hotels:

Monticello, Utah

Triangle H Motel . . . . . (801) 587-2274

Blanding, Utah

Prospector Motor Lodge . . . . . (801) 678-3231

RESIDENTS WITHIN 2 MILE RADIUS

No residents within a 2 mile radius.

There are two businesses within the 2 mile radius they are:

Energy Fuel Nuclear, Inc.	(801) 678-2221
Shirt Tail Service Station	(801) 678-2764

HYDROGEN SULFIDE

A deadly enemy of those people employed in the petroleum industry, this gas can paralyze of kill quickly. At least part of the answer lies in education in the hazards, symptoms, use of personal protective equipment.

Hydrogen Sulfide Hazards

The principal hazard to personnel is asphyxiation or poisoning by inhalation. Hydrogen Sulfide is a colorless, flammable gas having an offensive odor and a sweetish taste. It is highly toxic and doubly hazardous because it is heavier than air (specific gravity = 1.19). Its offensive odor, like that of a rotten egg, has been used as an indicator by many old timers in the oil fields, but is not a reliable warning of the presence of gas in a dangerous concentration because people differ greatly in their ability to detect smells. Where high concentrations are encountered, the olfactory nerves are rapidly paralyzed, deluding the sense of smell as a warning indicator. A concentration of a few hundredths of one percent higher than that causing irritation, can cause asphyxia and death - in other words, there is a very narrow margin between consciousness and unconsciousness, and between unconsciousness and death.

Where high concentrations cause respiratory paralysis, spontaneous breathing does not return unless artificial respiration is applied. Although breathing is paralyzed, the heart may continue beating for ten minutes after the attack.

Physiological Symptoms

Acute: Results in almost instantaneous asphyxia, with seeming respiratory paralysis. Acute poisoning, or strangulation, may occur after even a few seconds inhalation of high concentrations and results in panting respiration, pallor, cramps, paralysis and almost immediate loss of consciousness with loss of speech, and no other warning than a cry. Death may follow with extreme rapidity from respiratory and cardiac paralysis. One breath of a sufficiently high concentration may have this result.

Subacute: Results in irritation, principally of the eyes, persistent cough, tightening or burning in the chest and skin irritation followed by depression of the central nervous system. The eye irritation ranges in severity from mild conjunctivitis to swelling and bulging of the conjunctiva, photophobia (abnormal intolerance of light) and temporary blindness.

Treatment

1. Victim should be removed to fresh air immediately by rescuers wearing respiratory protective equipment. Protect yourself while rescuing.

2. If the victim is not breathing, begin immediately to apply artificial respiration. If a resuscitator is available, let another employee get it and prepare for use.

3. Treat for shock, keep victim warm and comfortable.

4. Call a doctor. In all cases, victims of poisoning should be attended by a physician.

Characteristics of H2S

1. Extremely toxic.

2. Heavier than air. Specific gravity = 1.19.

3. Colorless, has odor of rotten eggs.

4. Burns with a blue flame and produces Sulphur Dioxide (SO2) gas, which is very irritating to eyes and lungs. The SO2 is also toxic and can cause serious injury.

5. H2S Forms explosive mixture, with air between 4.3% and 46% by volume.

6. H2S is almost as toxic as hydrogen cyanide.

7. Between 5 and 6 times as toxic as carbon monoxide.

8. Produces irritation to eyes, throat and respiratory tract.

9. Threshold Limit Value (TLV) maximum of eight hours exposure without protective respiratory equipment - 20 PPM.

Safe Practices

If you are faced with an H2S problem in your operations, the following safe practices are recommended:

1. Be absolutely sure all concerned are familiar with the hazards concerning H2S and how to avoid it.

2. All employees should know how to operate and maintain a resuscitator and respiration equipment.

3. Be able to give and demonstrate artificial respiration.

4. Post areas where there is poisonous gas with suitable warning signs.

5. Be sure all new employees are thoroughly schooled before they are sent to the field -- tomorrow may be too late.

6. Teach men to avoid gas whenever possible - work on the windward side, have fresh air mask available.

7. Never let bad judgment guide you - wear respiratory equipment when gauging tanks, etc. Never try to hold your breath in order to enter a contaminated atmosphere.

8. In areas of high concentration, a two-man operation is recommended.

9. Never enter a tank, cellar or other enclosed place where gas can accumulate without proper respiratory protective equipment and a safety belt secured to a life line held by another person outside.

10. Always check out danger areas first with H_2S detectors before allowing anyone to enter. **DO NOT TRY TO DETERMINE THE PRESENCE OF GAS BY ITS ODOR.**

11. Wear proper respiratory equipment for the job at hand. Never take a chance with equipment with which you are unfamiliar. If in doubt, consult your supervisor.

12. Carry out practice drills every month with emergency and maintenance breathing equipment. Telling or showing a group how to operate equipment is not enough - make them show you.

13. Maximum care should be taken to prevent the escape of fumes into the air of working places by leaks, etc.

14. Communications such as radios and telephones should be provided for those people employed where H_2S may be present.

DO YOU KNOW

THERE IS NO TIME TO WASTE

WHEN BREATHING STOPS!

RESCUE BREATHING MUST

BE STARTED FAST!!

After Breathing is Stopped for:	The Chances for Life are:
1 Minute	98 out of 100
2 Minutes	92 out of 100
3 Minutes	72 out of 100
4 Minutes	50 out of 100
5 Minutes	25 out of 100*
6 Minutes	11 out of 100*
7 Minutes	8 out of 100*
8 Minutes	5 out of 100*
9 Minutes	2 out of 100*
10 Minutes	1 out of 100*
11 Minutes	1 out of 1,000*
12 Minutes	1 out of 10,000*

* Authorities State:
Irreparable brain damage starts at about fifth minute.

LEARN HOW TO USE

LIFE SAVING EQUIPMENT

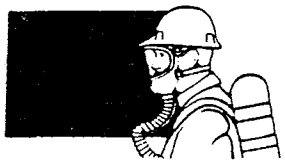
RESCUE—FIRST AID

H_2S

1. PUT ON **YOUR** BREATHING APPARATUS BEFORE ATTEMPTING A RESCUE. YOU TOO CAN BECOME A VICTIM.
2. Remove victim immediately to fresh air zone.
3. Maintain victim at rest and administer oxygen if available.
4. If patient is not breathing, commence artificial respiration immediately. (See page 13.)
5. Summon doctor or get victim to a doctor.
6. Keep patient warm.
7. When breathing is restored, give patient stimulants such as tea or coffee, but **do not** leave unattended.
8. If eyes are affected, wash them thoroughly with clear water (for slight eye irritation). cold compresses will help.
9. Patients should be kept under medical observation until the doctor declares them fit to return to work. Once a victim is removed to fresh air and normal respiration restored before heart action ceases, rapid recovery may be expected.

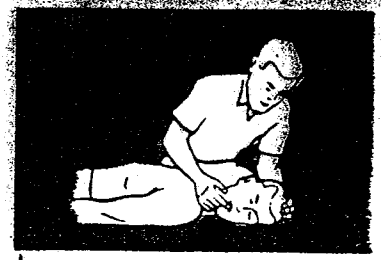
   In cases of slight or minor exposures where the worker has not been totally unconscious and wants to return to work after a short rest period, it is recommended that duty be postponed until the following day. Reflexes may not have returned to normal and the person could be subject to injury from other work hazards.

It is **vitally important** that everyone working around or near hydrogen sulfide gas **HAS** a good working knowledge of artificial respiration. Practices should be held regularly.



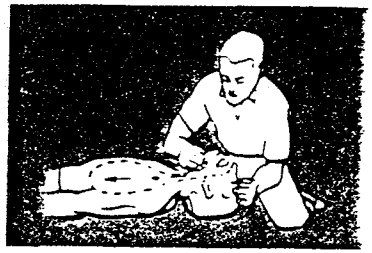
ARTIFICIAL RESPIRATION

Mouth-to-Mouth Resuscitation Method

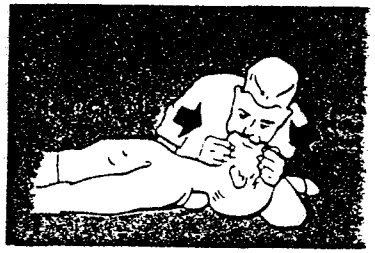


1 Place victim on his back, loosen clothing around neck and waist. Turn victim's head to the side, wipe out the mouth quickly using your fingers to get rid of any foreign matter.

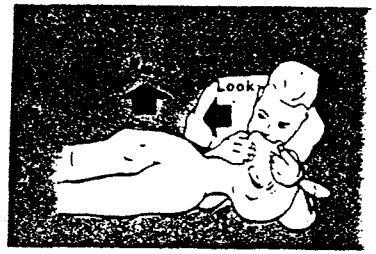
2 Insert thumb in the mouth—grasp lower jaw and lift it forcibly upwards and forwards.



3 Hold the lower jaw up and with the other hand close the victim's nostrils.



4 Take a deep breath, place your mouth firmly over the victim's mouth and breathe out.



5 While breathing into victim, watch chest rise to indicate air passage is clear.

6 Remove your mouth from the victim's to allow breath to be exhaled. Count three and repeat.

THE USE OF SELF-CONTAINED BREATHING EQUIPMENT

1. Written procedures shall be prepared covering safe use of respirators in dangerous atmospheres which might be encountered in normal operations or in emergencies. Personnel shall be familiar with these procedures and the available respirators.

2. Respirators shall be inspected frequently at random to insure that they are properly used, cleaned and maintained.

3. Anyone who may use the respirators shall be trained in how to insure a proper face to face piece seal. They shall wear respirators in normal air and then wear it in a test atmosphere. (Note: Such items as facial hair , beard or sideburns and eyeglass temple pieces will not allow a proper seal). Anyone that may be reasonably expected to wear respirators should have these items removed before entering a toxic atmosphere. A special mask must be obtained for anyone who must wear eyeglasses.

4. Maintenance and care of respirators:
   A. A program for maintenance and care of respirators shall include the following:

      (1) Inspection for defects, including leak checks.

      (2) Cleaning and disinfecting.

      (3) Repair.

      (4) Storage

   B. Inspection: Self-contained breathing apparatus for emergency use shall be inspected monthly for the following and a permanent record kept of these inspections:

      (1) Fully charged cylinders.

      (2) Regulator and warning device operation.

      (3) Condition of face piece and connections.

      (4) Elastometer or rubber parts shall be stretched or massaged to keep them pliable and prevent deterioration.

   C. Routinely used respirators shall be collected, cleaned and disinfected as frequently as necessary to insure proper protection is provided.

5. Person assigned task that requires using self-contained breathing equipment shall be certified physically fir for breathing equipment usage by the local company physician at least annually.

6. Respirators should be worn when:

   A. Any employee works near the top or on top of any tank unless test reveals less than 20 PPM of H2S.

   B. When breaking out any line where H2S can reasonably be expected.

   C. When sampling air in areas to determine if toxic concentrations of H2S exist.

   D. When working in areas where over 20 PPM H2S has been detected.

   E. At any time there is a doubt as to the H2S level in the area to be entered.

SCOTT AIR TECHNICAL OPERATIONS HEALTH/SAFETY PRODUCTS

INSTRUCTION MANUAL FOR USE OF SCOTT SKA-PAK® EMERGENCY ESCAPE UNIT

P/N 900055 SERIES

SECTION I

DESCRIPTION AND APPLICATION

WARNING: IMPROPER USE OF THIS APPARATUS IN A HAZARDOUS ATMOSPHERE MAY RESULT IN INJURY OR DEATH. PERSONNEL SHOULD RECEIVE ADEQUATE TRAINING PRIOR TO USE.

The Scott Ska-Pak provides instant emergency respiratory protection for anyone suddenly exposed to an atmosphere immediately dangerous to life or health. This lightweight, compact unit is available in two basic configurations; a 5-minute self-contained air supply for escape only, and a combination 5-minute self-contained air supply for escape and Type C supplied-air respirator used for entry into areas immediately dangerous to life or health. The combination self-contained and supplied-air unit is available in demand and positive pressure models. All demand models can be supplied with either a half facepiece or the Scottoramic® full facepiece, while the positive pressure models are available with the Scottoramic full facepiece only.

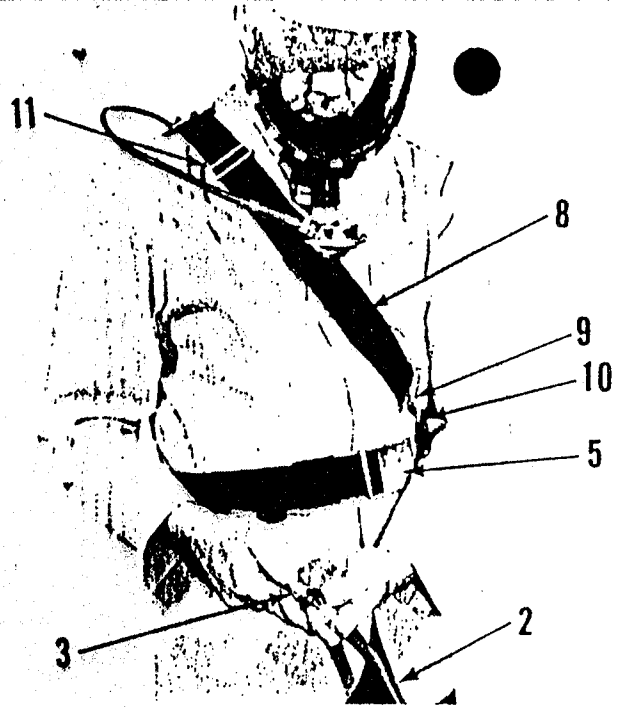
The Scottoramic facepiece model is designed for use where full face protection is necessary or desirable. The half facepiece is for use where integral eye protection is not required.

OPERATION

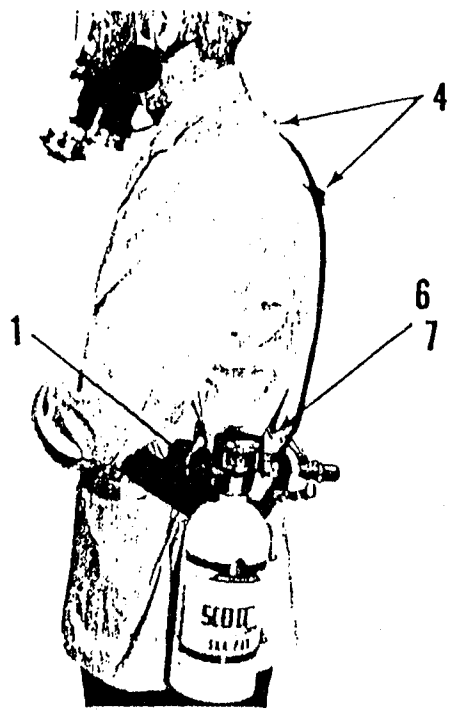
Ska-Pak cylinder air, with a 5-minute rated duration, is for emergency egress only. With the unit connected to, and operating from an external air supply, it is permissible to enter areas immediately dangerous to life or health. The hoseline system is designed to operate with an inlet supply of 60 to 125 psig, with hoseline lengths between 10 feet and 250 feet.

Some Ska-Pak models are available with a life-sustaining "Breakaway" hose coupling which releases with a 100 lb. pull. This enables the user to move rapidly toward the nearest exit in the event of an imminent explosion, fire or other emergency where seconds can mean the difference between life and death.

APPROVALS: TC-13F-66 for 900055-01, -03 and -04
TC-13F-67 for 900055-09, -10, -17 and -18
TC-13F-68 for 900055-13 and -14
Approved units meet the requirements of 30 CFR Part 11.



(FRONT VIEW)



(REAR VIEW)

FIGURE 1
P/N 900055-13 Ska-Pak

TABLE I

	PART NUMBER [1]	REGULATOR ASSY TYPE	FACEPIECE TYPE	DISCONNECT TYPE	BREAKAWAY HOSE	SUPPLY HOSE [3]	NIOSH/MESA APPROVAL NO. [4]
EGRESS ONLY UNITS	900055-01 [2]	Demand	Half	None	None	None	TC-13F-66
	900055-02	Demand	Duo-Seal®	None	None	None	
	900055-03	Demand	Half	None	None	None	TC-13F-66
	900055-04 [2]	Demand	Scottoramic	None	None	None	TC-13F-66
ENTRY/EGRESS UNITS	900055-05	Demand	Duo-Seal	Hansen	None	30010-	
	900055-06	Demand	Duo-Seal	Schrader	None	30020-	
	900055-07	Demand	Duo-Seal	Hansen	Yes	30010-	
	900055-08	Demand	Duo-Seal	Schrader	Yes	30020-	
	900055-09	Demand	Scottoramic	Hansen	None	30010-	TC-13F-67
	900055-10	Demand	Scottoramic	Schrader	None	30020-	TC-13F-67
	900055-11	Demand	Scottoramic	Hansen	Yes	30010-	
	900055-12	Demand	Scottoramic	Schrader	Yes	30020-	
	900055-13	Pressure-Demand	Scottoramic	Hansen	None	30010-	TC-13F-68
	900055-14	Pressure-Demand	Scottoramic	Schrader	None	30020-	TC-13F-68
	900055-15	Pressure-Demand	Scottoramic	Hansen	Yes	30010-	
	900055-16	Pressure-Demand	Scottoramic	Schrader	Yes	30020-	
	900055-17	Demand	Half	Hansen	None	30010-	TC-13F-67
	900055-18	Demand	Half	Schrader	None	30020-	TC-13F-67
	900055-19	Demand	Half	Hansen	Yes	30010-	
	900055-20	Demand	Half	Schrader	Yes	30020-	

NOTES:

[1] All Ska-Pak units include 7 cu. ft. aluminum cylinder.

[2] These units supplied with single strap harness; all others are supplied with waist and shoulder harness, P/N 802200-01.

[3] Hose lengths are supplied as required. NIOSH/MESA approved lengths per dash configuration are 10 ft. minimum, 250 ft. maximum.

[4] Approved units meet the requirements of 30 CFR Part 11.

SECTION II

OPERATING INSTRUCTIONS

NOTE

The following instructions include the harness assembly and the supply hose (see Table I and figure 1).

1. Don the harness assembly (refer to Section III) or the single strap harness.
2. Check that the cylinder valve knob (1, figure 1) is adjusted fully clockwise to its closed position. Push valve handle inward and turn clockwise.
3. Connect supply hose (2) to the respirable air supply, and mate hose assembly (3) to supply hose (2) as follows:
   a. Hansen fitting mating (see figure 5).
      (1) Line up slight recess (drill point) in socket body "A" with the semi-circular cutout in spring loaded socket "B".
      (2) Slide spring loaded socket "B" back on supply hose; insert coupling "C" into socket body "A", and release socket "B".
      (3) Rotate socket "B", locking coupling "C" in place.

NOTE

To uncouple, rotate socket "B" until socket body "A" and socket "B" are lined up (refer to step 1); slide socket "B" back and remove coupling "C". Release socket "B".

   b. Schrader fitting mating (see figure 6).
      (1) Insert coupling "C" into socket body "A".

NOTE

To uncouple, rotate socket "B", remove coupling "C" and release socket "B".

4. Bring mask and hose assembly over shoulder (see figure 1) and secure hose assembly in place with webbing loops (4).
5. Don appropriate mask (refer to Section III).
6. Turn the cylinder valve knob (1) counterclockwise to its open position if external air supply fails or when disconnecting from the supply.

SECTION III

DONNING PROCEDURE WHEN USING 802200-01 HARNESS ASSEMBLY

1. Don the harness assembly as follows:
   a. Unbuckle waist belt (5, figure 1).
   b. Snap clip (6) of shoulder strap (8) into "D" ring (7).
   c. Snap clip (9) of shoulder strap (8) into "D" ring (10).
   d. Unsnap webbing loops (4).
   e. Place shoulder strap (8) over right shoulder.
   f. Adjust and secure waist belt (5). Pass tongue of waist belt through the loop on belt.
   g. Adjust shoulder strap (8) as required at slide (11) to allow waist belt (5) to be at waist level.
2. Don Scottoramic facepiece (figure 2) as follows:
   a. Adjust the straps of the facepiece harness full out.
   b. Don facepiece chin first, then pull down and center the harness on back of head.
   c. Adjust the bottom straps first, then the middle pair of straps. In most cases, the top head strap will be tight on the full out position.
3. Don Scott half facepiece (figure 3) as follows:
   a. Adjust the bottom straps of the facepiece full out.
   b. Don the facepiece, place the upper strap above the ears to the top of the head and attach the hooks to the eyes on the low strap.
   c. Adjust the straps as required for proper seal.
4. Don the pressure-demand units (figure 4) using one of the following procedures:
   a. If the unit is connected to a respirable air supply prior to donning the facepiece, a constant flow of air will be present in the facepiece. As the Scottoramic facepiece is donned as noted in step 2 above, the air flow will subside. It will cease once the facepiece is fitted to the face. A slight positive pressure (+1.5 inches of water pressure max.) inside the facepiece will prevent any external contaminated environment from entering the system.
   b. An alternate method may also be used. If desirable, the facepiece may be donned prior to connecting to the air supply. No air will flow to the unit until the air supply connection is completed. If this method of donning is used, the user must hold his breath until the connection is completed.

NOTE

Due to an unlimited supply of air in a hoseline system, the Pressure-Demand Ska-Pak is not fitted with an additional "ON-OFF" provision other than the Quick Disconnect.

SECTION IV

MAINTENANCE

NOTE

The following procedures should be performed following each use.

1. Carefully inspect the unit for defects, such as rips or tears in the mask or hoses, loose or damaged fittings and damaged head harness, which might render the unit inoperable.
2. Prior to cleaning and disinfecting the mask, remove the regulator and exhalation valve as follows:
   a. On all units, unthread the regulator at the knurled fitting.
   b. On pressure-demand units, remove the clamp securing the exhalation valve to the mask. Carefully remove the exhalation valve.

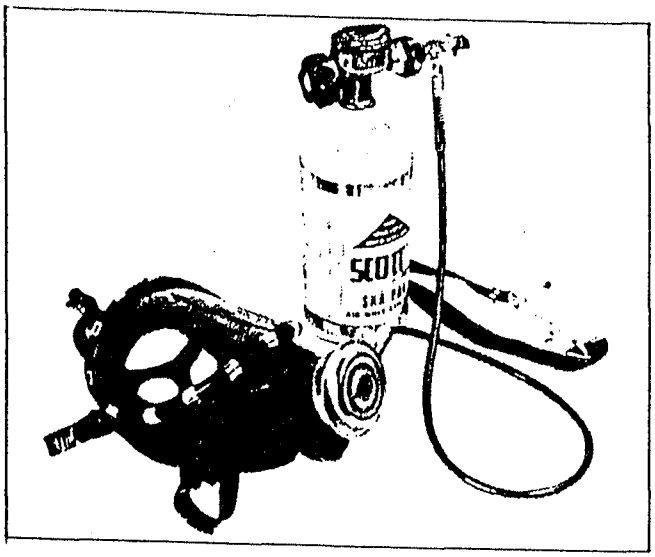


FIGURE 2 – 900055-04 Ska-Pak
With 5 Strap Head Harness

3. No maintenance is required on either demand or pressure-demand regulators other than making sure the exhalation check valve is kept clear of loose dirt.
4. Clean and disinfect the mask assembly, with the regulator removed, as follows:
   a. Wash facepiece in cleaner-disinfectant or detergent solution. Cleaner-disinfectant solutions are available that clean effectively and also contain an antibacterial agent. Alternatively, rubber parts may be washed in a liquid detergent solution, then immersed in either: 1) a hypochlorite solution (50 ppm of chlorine) for 2 minutes, 2) a 70% ethyl, methyl or isopropyl alcohol solution; or 3) a quaternary ammonium solution (200 ppm of quaternary ammonium compounds in water of less than 500 ppm total hardness). To prevent dermatitis and damage to parts, immersion times shall be adhered to, and disinfectants shall be thoroughly rinsed from disinfected parts.

      Strong cleaning and disinfecting agents can damage parts. Vigorous mechanical agitation shall not be used, and the temperature recommended by the manufacturer shall be used. Solvents other than water should be used with caution.
   b. Rinse completely in clean, warm water and air-dry in a clean area.
   c. Wipe off dirt accumulations from the remainder of the respirator.

NOTE

Care should be exercised to avoid any undue scratching of the facepiece lens.

SECTION V

PACKING AND STORING

1. Make sure all equipment is completely dry before packing and storing.
2. Reassemble unit and arrange in storage rack or container in ready position.
3. Turn cylinder valve knob (1, figure 1) full clockwise.
4. Store the Ska-Pak in a cool, dry place.

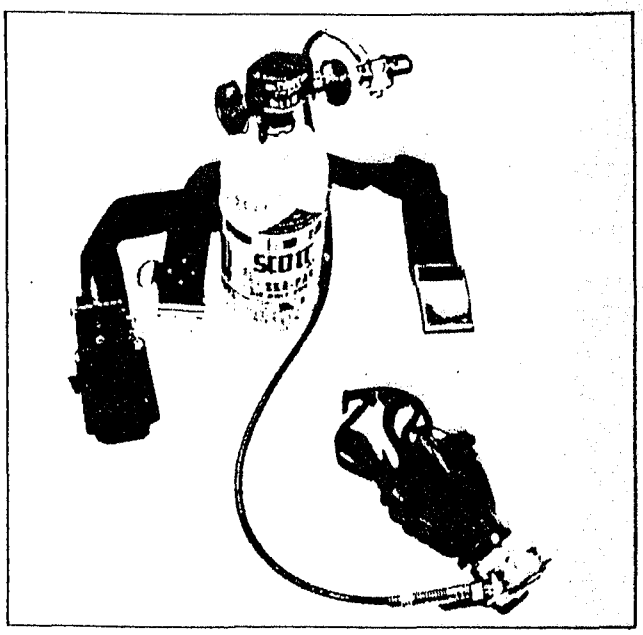


FIGURE 3 – 900055-02 Ska-Pak
With Duo-Seal Oral-Nasal Facepiece

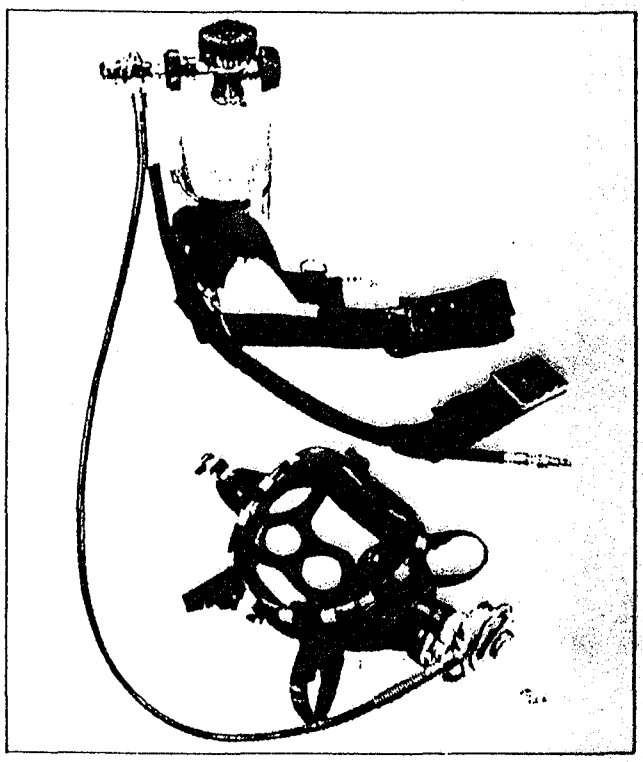


FIGURE 4 – 900055-13 Pressure-Demand
Ska-Pak With 5 Strap Head Harness

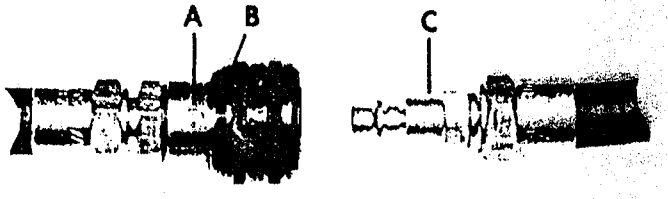


FIGURE 5 – Hansen Fitting

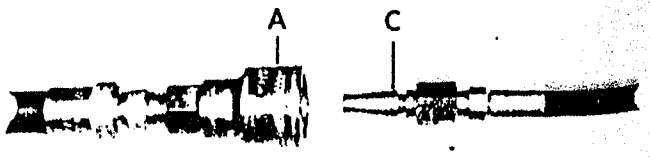


FIGURE 6 – Schrader Fitting

SCOTTORAMIC® FACEPIECE

DONNING PROCEDURE AND MAINTENANCE 801450 & 801500 SERIES

DONNING PROCEDURE:

1. Adjust the head straps to a full outward position.
2. Hold the head harness out of the way with one hand or fold back over the lens.
3. Place the facepiece on the face with chin properly located in the chin pocket.
4. Pull the head harness over the head and tighten the neck straps by pulling on the two appropriate tabs. PHOTO 1.
5. Stroke the head harness down to the back using one or both hands. PHOTO 2.
6. Tighten the two temple straps. PHOTO 3.
7. Retighten neck straps if required.
8. In most cases, the top head strap will be tight on the "Full out" position.
9. Check the seal by closing off the inhalation tube with your hand and slowly inhale. No leakage should be detected and the facepiece should be drawn onto the face. PHOTO 4.

NOTE:

In training sessions, each user of the Scottoramic facepiece should determine the general geometry and tightness of the head harness to provide the best seal, greatest comfort and maximum security for each particular facial characteristic.

MAINTENANCE

The lens in this facepiece is molded of polycarbonate plastic to provide a high degree of impact resistance, optical qualities and dimensional stability.

To replace the lens, remove the 15 clips with a coin or thin pry tool. Align center marks on new lens with facepiece center parting lines. Force lens to bottom of groove in rubber and install clips to retain lens frame.

CLEANING

Wash in warm soap or detergent solution. Rinse completely in clean warm water and air dry or dry with a soft clean cloth.

Disinfect in 70% ethyl, methyl, or isopropyl alcohol, a quaternary ammonium solution or a hypochlorite solution (50 PPM of chlorine minimum).

NOTE:

All plastic lenses require care in handling and cleaning. They can be damaged by abrasive or harsh cleaners and softened by some solvents. While most household cleaners, disinfectants and plastic cleaners are satisfactory, it is necessary to first test them on the edge of a lens. Avoid abrasive cleaners, acetone, paint and lacquer thinners, benzine, dry cleaning fluids, strong phenol and cresol solutions. Do not polish with paper towels as most paper contains abrasives. Do not autoclave.

27-00 Rev. B 4/75

Printed in USA

SCOTT® HEALTH/SAFETY PRODUCTS
LANCASTER
NEW YORK 14086

SCOTT® ATO

SAFETY PRECAUTIONS FOR AIR-PAK® CYLINDERS

Air-Pak cylinders should be recharged as soon as practical after use. Cylinders should not be stored partially charged, for two reasons:

1. If used without recharge, the duration of the apparatus is reduced.

2. The safety relief device is only designed to protect a fully charged cylinder from the effects of a fire.

For maximum safety the cylinders should be stored empty or full.

Prior to recharging, compressed gas cylinders must be examined externally for evidence of high heat exposure, corrosion, or other evidence of significant damage.

WARNING

CYLINDERS WHICH SHOW EVIDENCE OF EXPOSURE TO HIGH HEAT OR FLAME; e.g., PAINT TURNED TO A BROWN OR BLACK COLOR, DECALS CHARRED OR MISSING, GAUGE LENS MELTED, ELASTOMERIC BUMPER DISTORTED: OR PHYSICAL DAMAGE TO THE CYLINDER SHALL BE REMOVED FROM SERVICE AND RETESTED PRIOR TO RECHARGING.

Additional information of value when performing external and internal inspections of cylinders may be found in CGA Pamphlet C-6, "Standards for Visual Inspection of Compressed Gas Cylinders", available from the Compressed Gas Association, Inc., 500 Fifth Avenue, New York, New York 10036.

If there is any doubt about the suitability of the cylinder for recharge, it shall be returned to a certified hydrostatic test facility for expert examination and retesting.

Scott supplies several types of breathing air cylinders for Air-Pak use. The user must determine specifically which cylinder is to be recharged. All current production Scott Air-Pak cylinders can be catagorized into one of the following:

1. Steel type 3AA cylinders that bear a plus (+) sign after the latest retest date may be recharged to a pressure 10% greater than the stamped service pressure, i.e., a cylinder stamped 3AA 2015 with a plus (+) sign after the latest test date may be recharged to 2216 psi. Always check to be sure the hydrostatic retest date is within a five-year period and that the cylinder is properly labeled to indicate air service.

2. Aluminum cylinders bearing Department of Transportation exemption DOT-E6498-2216 may be recharged to 2216 psi. Always check to be sure the hydrostatic retest date is within a five-year period and that the cylinder is properly labeled to indicate air service.

3. Composite cylinders bearing Department of Transportation exemption DOT-E7235-2216 may be recharged to 2216 psi. Always check to be sure the hydrostatic retest date is within a three year period and that the cylinder is properly labeled to indicate air service.

4. Composite cylinders bearing Department of Transportation exemption DOT-E7235-4500 may be recharged to 4500 psi. Always check to be sure the hydrostatic retest date is within a three year period and that the cylinder is properly labeled to indicate air service.

5. Composite (fully wrapped) cylinders bearing Department of Transportation exemption DOT-E8059 4500 may be recharged to 4500 psi. Always check to be sure the hydrostatic retest date is within a three year period and that the cylinder is properly labeled to indicate air service.

Place the cylinder in a suitable container. The container should be constructed to prevent personal injury in the event of problems or component failure while recharging.

Appropriately connect the cylinder to the filling recharge system and refill at a rate less than 1500 psi per minute. Terminate the filling when the pressure reaches service pressure, and allow the cylinder to cool to room temperature. If necessary, top-off the cylinder such that service pressure is attained with the cylinder at a temperature of 70°F. Close the valves on the cylinder and the recharge system and remove the cylinder. Apply a soap solution to determine if there is any leakage between the cylinder and the valve. If there is no leakage, the cylinder is now ready for reuse.

CAUTION

USE CLEAN DRY AIR IN ACCORDANCE WITH CGA SPECIFICATION G-7.1, TYPE 1, GRADE D OR BETTER.

P/N 89080-01 4/81

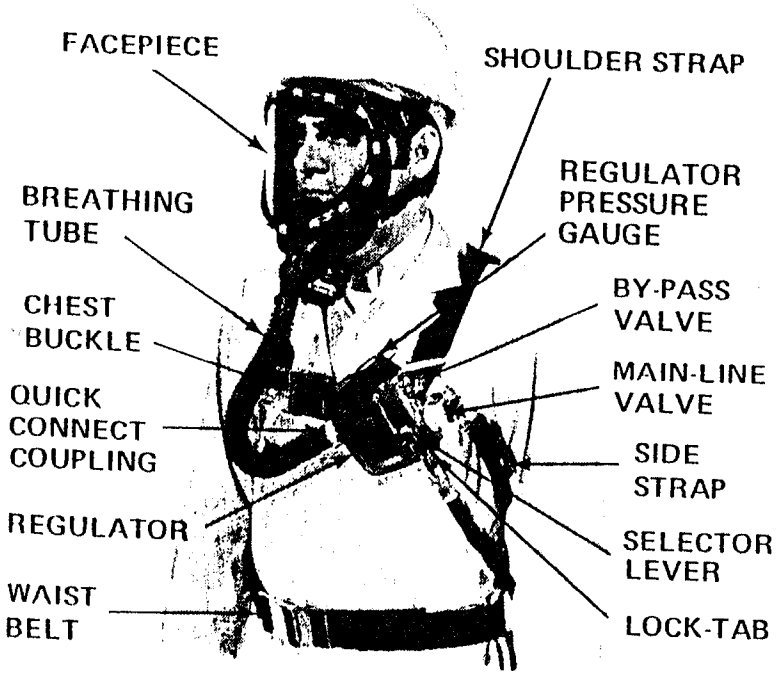
SCOTT AVIATION, A Division of A-T-O Inc., LANCASTER, N.Y. 14086

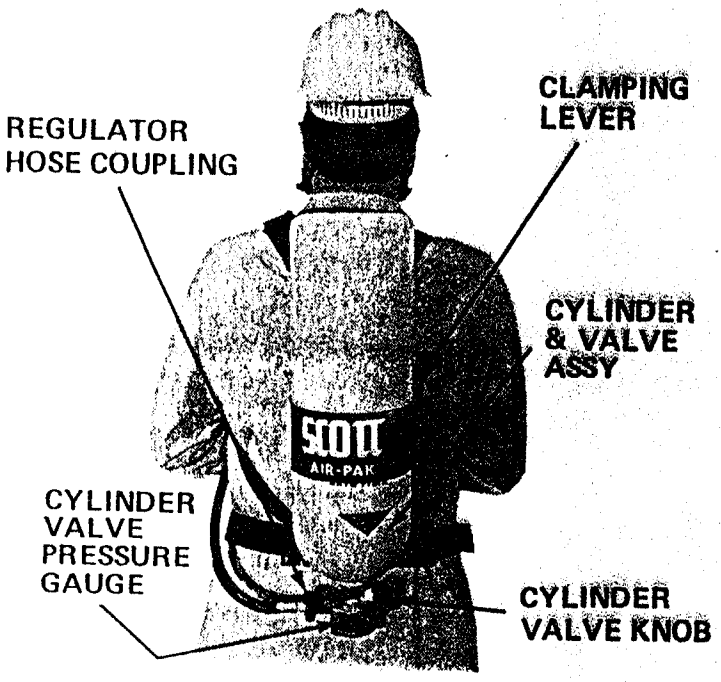
Printed in USA

SCOTT® HEALTH/SAFETY PRODUCTS
ATO

SCOTT PRESUR-PAK® IIa PRESSURE-DEMAND 900014 SERIES (30 minute duration)

OPERATING AND MAINTENANCE INSTRUCTIONS





WARNING

IMPROPER USE OF THIS APPARATUS IN A HAZARDOUS ATMOSPHERE MAY RESULT IN INJURY OR DEATH. PERSONNEL SHOULD RECEIVE ADEQUATE TRAINING PRIOR TO USE.

The Scott Presur-Pak IIa, positive pressure, self-contained breathing apparatus (SCBA) is designed to provide maximum respiratory protection in objectionable or toxic atmospheres, regardless of concentration(*), or oxygen deficiency, with a NIOSH/MSHA rated duration of 30 minutes when properly DONNED, USED, AND MAINTAINED BY TRAINED PERSONNEL. The regulator is equipped with an audible Pak-Alarm® which will warn the user of diminishing air supply. The Pak-Alarm will activate when approximately 20-25% of the air supply remains. YOU MUST EGRESS IMMEDIATELY TO THE NEAREST SAFE, RESPIRABLE AREA WHEN THE PAK-ALARM RINGS. The apparatus is certified by NIOSH/MSHA for use in temperatures to -25° F with the installation of a Scott Nosecup Assembly, P/N 801432-00, in the facepiece. The nosecup assembly is required for use in temperatures at or below freezing or whenever lens fogging may occur.

*WARNING

IN ADDITION TO THIS APPARATUS, ADDITIONAL PROTECTIVE CLOTHING AND/OR SPECIAL EQUIPMENT SHALL BE PROVIDED, AS REQUIRED, FOR COMPLETE PROTECTION TO THE USER AND APPARATUS. (CERTAIN GASES POISON THROUGH THE UNBROKEN SKIN, SUCH AS HYDROGEN CYANIDE, OR ARE EXTREMELY IRRITATING TO THE SKIN, SUCH AS AMMONIA.) EVERY APPLICATION SHALL BE THOROUGHLY EVALUATED BY QUALIFIED PERSONNEL, PRIOR TO ENTRY OR USE OF THE APPARATUS.

SERVICE LIFE (Duration of air)

This apparatus is certified by NIOSH/MSHA to provide a "30 minute" duration of air, based on actual machine testing simulating men performing a variety of moderate-to-heavy work tasks.

The user should not expect to obtain exactly 30 minutes duration from this apparatus during each use. The work being performed may be more or less strenuous than the work-rates used in the NIOSH/MSHA tests. The duration may be shorter, possibly as short as 15 minutes, where the individual's work is more strenuous than the NIOSH/MSHA tests.

The duration of the apparatus will depend on such factors as:

1. the degree of physical activity of the user;
2. the physical condition of the user;
3. the degree of training or experience which the user has had with this or similar equipment;
4. the degree to which the user's breathing is affected by excitement, fear, or other emotional factors;
5. whether or not the cylinder is fully charged at the start of the work period;
6. the possible presence, in the compressed air, of carbon dioxide concentrations greater than .04% normally found in atmospheric air;
7. the condition of the apparatus;
8. the atmospheric pressure; Example: when used in a pressurized tunnel or caisson at 2 atmospheres (15 psi gauge) the rated duration will be one-half as long (15 minutes) as when used at 1 atmosphere; and at 3 atmospheres will be one-third as long (10 minutes).

EGULAR OPERATIONAL INSPECTION

The following procedure shall be used for incoming and daily inspection of the apparatus. An apparatus not routinely used, but kept for emergency use, shall be inspected at least monthly. All apparatus shall be inspected after each use.

1. Visually inspect the complete apparatus for worn or aging rubber parts and damaged components.
2. Check the latest cylinder hydrostatic test date to ensure it is current (within 5 years).
3. Visually inspect cylinder for large dents or gouges in metal. Cylinders which show exposure to high heat or flame, such as paint turned brown or black, decals charred or missing, gauge lens melted or elastomeric bumper distorted, shall be removed from service.
4. Check cylinder pressure gauge for "FULL" indication. If cylinder pressure is less than "FULL", replace with a fully charged cylinder.
5. Check to ensure regulator hose coupling is hand tightened to the cylinder valve outlet.

NOTE

Wrenches shall not be used, as damage to the coupling gasket may result.

6. Close regulator BY-PASS valve (red knob) by turning clockwise.
7. Close regulator MAIN-LINE valve (yellow knob) by depressing lock-tab and turning valve knob clockwise.
8. Check to ensure regulator cover is tight and not lifted. If cover is loose or lifted, remove regulator from service, tag and have repaired by authorized personnel.
9. Unthread breathing hose from regulator.
10. Verify diaphragm integrity as follows:
    a. Place mouth over regulator outlet probe and gently inhale on regulator outlet. This negative pressure shall be maintained with no leakage (flow) through the regulator.
    b. Gently blow into regulator outlet. This positive pressure shall be maintained with no leakage (flow) through the regulator.

WARNING

IF LEAKAGE IS PRESENT, RECHECK BY-PASS AND MAIN LINE VALVES TO BE SURE THEY ARE FULLY CLOSED AND RETEST PER STEPS 10a AND 10b. IF LEAKAGE IS STILL PRESENT, REMOVE APPARATUS FROM SERVICE, TAG, AND HAVE REPAIRED BY AUTHORIZED PERSONNEL.

11. Open regulator MAIN-LINE valve (yellow knob), by turning full counterclockwise. A clicking sound shall be audible, indicating the lock-tab is functioning.
12. Open cylinder valve knob a minimum of 1-1/2 turns. The Pak-Alarm shall ring momentarily. The regulator gauge shall indicate "FULL". Check for leakage at cylinder valve, regulator and all connections.
13. Properly don facepiece and place palm over end of quick connect coupling. Inhale slightly. A negative pressure (suction) shall be created, pulling the facepiece toward the face. Hold for 5-10 seconds. If leakage is noted, remove facepiece from service and return for repair by authorized personnel.
14. Place breathing tube quick connect coupling close to palm of hand and exhale. If any air flows from breathing tube, remove facepiece from service and return for repair by authorized personnel.
15. Connect breathing tube coupling to regulator outlet securely. Inhale. Air should be delivered with very slight effort. Place selector lever in "ON" position. A slight increase in facepiece pressure shall be noted (positive pressure). Inhale several times. Place control lever in "OFF" position. Disconnect breathing tube and remove facepiece.
17. Push in and rotate the cylinder valve knob clockwise to close valve.
18. Release residual air pressure by slowly placing selector lever in "ON" position. Pak-Alarm shall ring momentarily. After pressure is released (no flow), place lever in "OFF" position.

WARNING

IF THE PAK-ALARM DOES NOT RING, REMOVE APPARATUS FROM SERVICE, TAG, AND RETURN FOR REPAIR BY AUTHORIZED PERSONNEL.

CAUTION

IF ANY DISCREPANCIES ARE FOUND USING THESE PROCEDURES, THE APPARATUS SHALL BE REMOVED FROM SERVICE, TAGGED, AND REPAIRED BY AUTHORIZED PERSONNEL.

MAKE SURE BY-PASS IS FULLY CLOSED AND MAIN-LINE IS FULLY OPENED.

DONNING AND NORMAL OPERATION

WARNING

ALL PERSONNEL USING THIS APPARATUS SHALL BE THOROUGHLY TRAINED BY QUALIFIED PERSONNEL IN DONNING, OPERATION AND EMERGENCY OPERATION.

1. Open carrying case and check cylinder gauge for "FULL" indication. Replace cylinder assembly if required.
2. Remove facepiece and breathing tube assembly; place next to case, exercising care not to scratch lens.
3. Check to ensure all strap assemblies, side and waist, are fully extended and waist belt buckle assembly is not connected.
4. Stand at cylinder end of carrying case (right end); lean forward, grasp both edges of the backplate just above waist belt area, and lift from case.
5. Swing the apparatus straight up and over the head, keeping elbows close to body. Rest apparatus on your back while still slightly bent over. The shoulder straps will slide along arms and fall into place on shoulders. (Make sure elbows are through shoulder and side strap loops). Connect the chest buckle; then while straightening up, pull down on the side straps to adjust harness to fit body (see figures 1 thru 3).

Figure 1

Figure 2

6. Connect and adjust waist belt assembly (see figure 4).
7. Place selector lever in "OFF" position.
8. Check to ensure BY-PASS valve is fully closed (full clockwise) and MAIN-LINE valve is fully open (full counterclockwise).

Figure 3

Figure 4

WARNING

OBSTRUCTION OF THE REGULATOR OUTLET WITH THE BY-PASS TURNED ON AND FLOWING MAY CAUSE REGULATOR OR DIAPHRAGM DAMAGE.

9. Open the cylinder valve knob a minimum of 1-1/2 turns. Pak-Alarm shall ring momentarily. Check regulator gauge for "FULL" indication, and don Scottoramic® facepiece as follows (see figures 5 thru 8).

Figure 5

Figure 6

Figure 7

Figure 8

WARNING

RESPIRATORS SHOULD NOT BE WORN WHEN CONDITIONS, SUCH AS A GROWTH OF BEARD, SIDE-BURNS, A SKULL CAP THAT PROJECTS UNDER THE FACEPIECE, OR TEMPLE PIECES ON GLASSES, PREVENT A GOOD FACE SEAL.

a. Adjust all headstraps to a full outward position.
b. Hold the head harness out of the way with one hand or back over the lens.
c. Place the facepiece on the face with chin properly located in the chin pocket.
d. Pull the head harness over the head and tighten neck straps and temple straps by pulling on the appropriate tabs.
e. STROKE the head harness down toward the neck, using one or both hands.
f. Retighten neck straps and then temple straps.
g. In most cases, the top head strap will be tight in the full out position. Tighten only if necessary.
h. Close off breathing tube quick connect coupling with your hand and slowly inhale. No leakage shall be noted and the facepiece shall be drawn toward the face.

NOTE

Refer to Scott Instruction Sheet, P/N 89027-00, supplied with each Scottoramic facepiece, for donning and maintenance procedures.

10. Connect breathing tube connection to the regulator outlet coupling. Tighten securely.
11. Place selector lever in the "ON" position. THERE SHALL BE NO AUDIBLE FLOW OF AIR FROM THE REGULATOR OR FLOW OF AIR THROUGH THE FACEPIECE. ANY FLOW INDICATES LEAKAGE--DO NOT PROCEED INTO CONTAMINATED AREA. CHECK FACEPIECE SEAL. IF LEAKAGE IS STILL PRESENT, REMOVE APPARATUS AND HAVE CHECKED AND REPAIRED BY AUTHORIZED PERSONNEL. THE "OFF" POSITION OF THE SELECTOR LEVER SHALL ONLY BE USED FOR DONNING AND DOFFING OF THE APPARATUS.
12. Check the regulator pressure gauge, during use, for remaining air supply to allow sufficient time for egress from the contaminated area.

WARNING

IMMEDIATELY EGRESS FROM THE CONTAMINATED AREA WHEN THE PAK-ALARM STARTS TO RING. IT WARNS THE USER WHEN APPROXIMATELY 20-25% OF THE AIR SUPPLY REMAINS IN THE CYLINDER. IN HIGH NOISE AREAS OR WHERE MORE THAN ONE APPARATUS IS BEING USED, TOUCH THE REGULATOR WITH YOUR HAND TO FEEL THE VIBRATION OF THE PAK-ALARM.

13. After egress and when in a SAFE, RESPIRABLE AREA, place selector lever in "OFF" position, uncouple the breathing tube quick connect coupling from the regulator outlet, remove facepiece, push in and rotate cylinder valve knob clockwise to close valve.
14. Bleed residual system pressure from the system by slowly placing selector lever in "ON" position. After pressure is released (no flow), place lever in "OFF" position.

EMERGENCY OPERATION

Should the regulator become damaged or inoperative during use, proceed as follows:

1. Open BY-PASS (red-knob) counterclockwise. Adjust the flow of air to sufficiently supply the breathing requirements of the user.

WARNING

EXCESSIVE BY-PASS FLOW WILL SUBSTANTIALLY REDUCE THE SERVICE LIFE (DURATION) OF THE APPARATUS.

2. Depress the lock-tab under the MAIN LINE valve (yellow knob) and turn fully closed (clockwise).
3. IMMEDIATELY egress from the area to a SAFE, RESPIRABLE AREA.

WARNING

DO NOT OBSTRUCT THE OUTLET OF THE REGULATOR WHILE IN THE BY-PASS MODE. THE BY-PASS MODE SHALL BE USED FOR EMERGENCY OPERATION ONLY. DO NOT USE FOR OTHER PURPOSES.

4. Tag and remove apparatus for repair by authorized personnel.

CYLINDER REPLACEMENT PROCEDURE

1. Place regulator selector lever in the "OFF" position, disconnect facepiece from regulator.
2. Push in and rotate the cylinder valve knob fully clockwise to close the valve.
3. Bleed residual system pressure by slowly placing selector lever in "ON" position. After pressure is released (no flow), place lever in "OFF" position.
4. Rotate regulator hose coupling counterclockwise, removing it from the cylinder valve outlet.

CAUTION

ATTEMPTING TO UNCOUPLE REGULATOR HOSE COUPLING WHILE PRESSURIZED MAY RESULT IN DAMAGE TO, OR LOSS OF, COUPLING GASKET.

5. Pull the cylinder clamping lever down while holding cylinder to release the cylinder and valve assembly from the backplate.
6. Lift the cylinder and valve assembly out of the backplate and replace with a fully charged cylinder and valve assembly. Start at the top of the backplate and lower cylinder assembly until properly positioned.
7. Raise and push up cylinder clamping lever to secure the cylinder and valve assembly in the backplate.
8. Reconnect regulator hand disconnect to the cylinder valve.

NOTE

Wrenches shall not be used, as damage to coupling gasket may result.

9. Open cylinder valve knob a minimum of 1-1/2 turns by rotating counterclockwise. No constant leakage shall be noted. If leakage occurs, and cannot be stopped, the unit shall be removed from service, tagged, and repaired by authorized personnel.
10. The unit is now ready for use and may be returned to service.

STAND-BY CLEANING AND STORAGE

NOTE: The following procedure, in addition to the REGULAR OPERATIONAL INSPECTION, shall be used after each use and for preparing the apparatus for storage/stand-by.

1. Inspect the apparatus for worn or aging rubber parts or damaged components.
2. If in good condition, carefully wash facepiece assembly with warm soap and water or mild detergent solution. A soft brush may be used to scrub the rubber components, DO NOT use on the lens.
3. Rinse the facepiece assembly including the exhalation valve thoroughly. Flush water through the breathing tube, letting it flow out through opening onto lens.
4. Disinfect the facepiece by submersion, using one of the following solutions:

WARNING

DO NOT MIX THE SOLUTIONS, ONLY USE ONE.

a. 70% solution of ethyl, methyl or isopropyl alcohol

OR

b. Hypochlorite solution, two tablespoons chlorine bleach per gallon of water

OR

c. Aqueous solution of Iodine, one teaspoon of tincture of Iodine per gallon of water

NOTE

Maximum cleaner and disinfectant temperature should not exceed 120°F.

5. Rinse facepiece thoroughly and allow to completely air-dry.
6. Damp sponge dirt accumulation from the rest of the apparatus.
7. Follow REGULAR OPERATIONAL INSPECTION PROCEDURE.
8. Replace the apparatus in the carrying case, making sure all components are thoroughly dry, the cylinder is fully charged, the cylinder valve is fully closed, the BY-PASS valve is fully closed, the MAIN-LINE valve is fully open and the control lever is in the "OFF" position.

NOTE

If repair information is required, contact an Authorized Scott Distributor or Service Center.

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

August 15, 1985

Coastal Oil and Gas Corporation
P. O. Box 749
Denver, Colorado 80201

Gentlemen:

Re: Well No. State 1-2 - NW NE Sec. 2, T. 37S, R. 21E
706' FNL, 2026' FEL - San Juan County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. The reserve pit used for drilling shall be lined with a fiber-reinforced plastic liner with a minimum thickness of 6 mil.

2. The operator shall comply with the recommendations of the cultural resources surveyed approved by the Division of State History.

3. The operator shall conduct surface use and reclamation and if necessary submit a surface use plan to this Division as required by the Division of State Lands and Forestry.

4. The depth for setting the 10 3/4" surface casing shall be 50' deeper than the top of the Chinle formation whether encountered at the anticipated depth or otherwise.

5. The contingency and evacuation plan for the accidental release of hyrogen sulfide gas shall include the following modifications:

   a. Page 12, part C.2.B. - Add the following: "The dates and times of all H_2S drills shall be documented on the daily drilling report or log.

   b. Page 18, part C, paragraph 2, part 1 - Add the following: "The Division of Oil, Gas and Mining shall be contacted as listed in Appendix III."

c. Page 26, Appendix III - The phone number for the Division is incorrect. The following changes should be made: "During working hours, phone (801) 538-5340. After working hours or on weekends, contact one of the following: Pat deGruyter, Moab, (801) 259-6398; John Baza, Salt Lake City, (801) 298-7695; R. J. Firth, Salt Lake City, (801) 571-6068.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.

2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.

3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

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

The API number assigned to this well is 43-037-31185.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: State Lands

Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

303/572-1121

August 14, 1985

Ms Arlene Sollis
Utah Natural Resources
Division of Oil, Gas & Mining
355 West North Temple, Suite 350
3 Triad Center
Salt Lake City, Utah 84180

Re: State 1-2
705.8' FNL, 2026.2' FEL
NW NE Section 2-T37S-R21E
San Juan County, Utah

Dear Arlene:

Since Pat DeGruyter is out of the office until Monday, I thought I'd send this Sundry Notice in to cover us in case he did intend for a clause about flare pit to be included in the permit.

Yours very truly,

Anne M. Dyer
Operations Analyst
Denver District Drilling Department

d

Enclosure

xc: J. M. Davis

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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 [X] GAS WELL [ ] OTHER

RECEIVED
AUG 16 1985
DIVISION OF OIL GAS & MINING

2. NAME OF OPERATOR: Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR: P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 705.8' FNL, 2026.2' FEL NW NE

5. LEASE DESIGNATION AND SERIAL NO.: ML-38397

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: NA

8. FARM OR LEASE NAME: State 1-2

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 2-T37S-R21E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO.: To be assigned

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5930.6'

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	[X]	(Other)			[ ]
(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.) *

We plan to incorporate a flare pit when building location at referenced site.

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

SIGNED H. E. Aab TITLE District Drilling Manager DATE August 13, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Management Recommendations

Cultural Resource clearance is recommended for Coastal Oil and Gas Corporation's 1-2 State wellpad construction with the following stipulations. The top of the cut along the east line of the wellpad should be no less than 50 feet from the southwest edge of site 42SA17301. No construction equipment or personnel should be allowed beyond flagged site boundaries. No dirt or brush stockpiling should be allowed on the east side of the wellpad. If these recommendations are followed, any adverse impact to site 42SA17301 will be avoided.

this page is taken from archaeological report prepared by Nancy S. Hammack/ Complete Archaeological Service Associates

Stipulations:

1. The reserve pit used for drilling shall be lined with a fiber-reinforced plastic liner with a minimum thickness of 6 mil.

2. ~~The operator shall comply with the~~ or recommendations of the ~~BLM~~ Cultural resources surveyed approved by the Division of State History.

3. The operator shall ~~submit~~ conduct surface use and reclamation and if necessary submit a surface use plan to this Division as required by the Division of State Lands and Forestry.

4. The depth ~~of~~ for setting the 10 3/4" surface casing shall be 50' deeper than the top of the Chinle formation whether encountered at the anticipated depth or otherwise.

5. See attached sheet.

Other Stips:

5. ~~In~~ The Contingency and evacuation plan for the accidental release of hydrogen sulfide gas shall include the following modifications:

a. Page 12, part C.2.B. – Add the following: "The dates and times of all H_2S drills shall be documented on the daily drilling report or log.

c.

~~b~~. Page 26, Appendix III – The phone number for the Division is incorrect. The following changes should be made:

"During working hours, ph. (801) 538-5340. After working hours or on weekends, contact one of the following persons:
Pat deGruyter, Moab (801) 259-6398
John Baza, SLC (801) 298-7695
R. J. Firth, SLC (801) 571-6068

b. Page 18, Part C, paragraph 2, part 1. – Add the following: "The Division of Oil, Gas and Mining shall be contacted as listed in Appendix III."

ONSITE PREDRILL INSPECTION FORM

COMPANY Coastal Oil & Gas Corporation WELL NO. State #1-2

LOCATION: SECTION NWNE 2 TOWNSHIP 37S RANGE 21E COUNTY San Juan

LEASE NO. ML-38397 ONSITE INSPECTION DATE 8 August 1985

(A) PERSONS

Stipulations for Approval

Don Reimers/I ① line pit
Associates, I ② adhere to archaeology management regulations
Pat deGruyte:

(B) SURFACE

red, medium ③ submit surface use & reclamation pla

(C) BRIEF DE

rabbitbrush

(D) ARCHAEOLOGICAL CLEARANCE: YES OR NO yes (Complete Archaeological Service Associates)

(E) DESCRIPTION OF TOPOGRAPHY (drainages, slope, roads, etc.) west facing slope - westerly to southwesterly flowing shallow drainages - rocky with sandstone ledges and thin sandy topsoil - existing,bladed,one lane,dirt road into area

(F) CONDITIONS FOR APPROVAL:

PIT LINING (YES OR NO) yes

TYPE OF LINING IF NEEDED fiber reinforced plastic at least 6 mil thickness

ADDITIONAL REQUIREMENTS adhere to management regulations concerning archaeology as set forth in archaeological report prepared by Nancy S. Hammack/Complete Archaeological Service Associates - submit a surface use and reclamation plan

SIGNATURE: [signature] TITLE Oil & Gas Field Specialist

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: COASTAL OIL AND GAS

WELL NAME: STATE #1-2

SECTION 2 TOWNSHIP 37S RANGE 21E COUNTY SAN JUAN

DRILLING CONTRACTOR L.C. JONES / ENERGY SEARCH

RIG # 1

SPUDDED: DATE 8/26/85

TIME 2:30 pm

HOW AIR DRILLING

DRILLING WILL COMMENCE 8/26/85

REPORTED BY Johnny Davis

TELEPHONE #

DATE 8/27/85 SIGNED DS

Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

303/572-1121

September 4, 1985

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

Attention: Ms Arlene Sollis

Re: State #1-2
705.8' FNL, 2026.2' FEL
NW NE Section 2-T37S-R21E
San Juan County, Utah
API #43-037-31185

Gentlemen:

Enclosed is Sundry Notice covering spud and running of surface casing on the referenced well. Please send approved copy in the stamped self-addressed envelope provided for your convenience.

Yours very truly,

Anne M. Dyer
Operations Analyst
Denver District Drilling Department

d

Enclosure

Form OGC-1b

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

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

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.)

5. LEASE DESIGNATION AND SERIAL NO.: ML-38397

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: NA

2. NAME OF OPERATOR: Coastal Oil & Gas Corporation

8. FARM OR LEASE NAME: State 1-2

3. ADDRESS OF OPERATOR: P. O. Box 749, Denver, Colorado 80201

9. WELL NO.: 1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 705.8' FNL, 2026.2' FEL NW NE

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 2-T37S-R21E

14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-037-31185	5930.6'	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) Spud & surface casing			[X]
(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.)*

Spud 20" conductor hole at 2:30 PM August 26, 1985 with L. C. Jones Rat Hole digger. Set 16" conductor pipe at 60'. Cement with 4 cu yds Redimix to surface.

Spud 14 3/4" hole at 8 AM August 28, 1985 with Energy Search Rig #1.

Ran 10 3/4", 55 joints, 2302', 40.5#, K-55, ST&C casing with guide and insert, set at 2298'. HOWCO Cement: 1150 sacks lite +2% $CaCl_2$ +¼#/sack Flocele, 1% HALID 322, +200 sacks Class B +2% $CaCl_2$ +¼#/sack Flocele +1% HALID 322, displaced with mud. Circulate 60 barrels cement to surface. Plug down 5:30 PM. Top job with 100 sacks Class B +3% $CaCl_2$. (Cement in initial job fell back)

RECEIVED
SEP 09 1985
DIVISION OF OIL GAS & MINING

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

SIGNED H. E. Aab TITLE District Drilling Manager Denver District DATE September 3, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

HALLIBURTON SERVICES

FORMATION TESTING SERVICE REPORT

17-SEP-85

COMPANY NAME: COASTAL OIL AND GAS CORPORATION

DRILLING CONTRACTOR: ENERGY SEARCH #1

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

LEASE NAME: ZEKE'S HOLE PROSPECT
WELL NUMBER: STATE 1-2
TEST NUMBER: 1

JOB TYPE: OPEN HOLE
LEGAL LOCATION: 2-37S-21E
COUNTY: SAN JUAN
STATE: UTAH

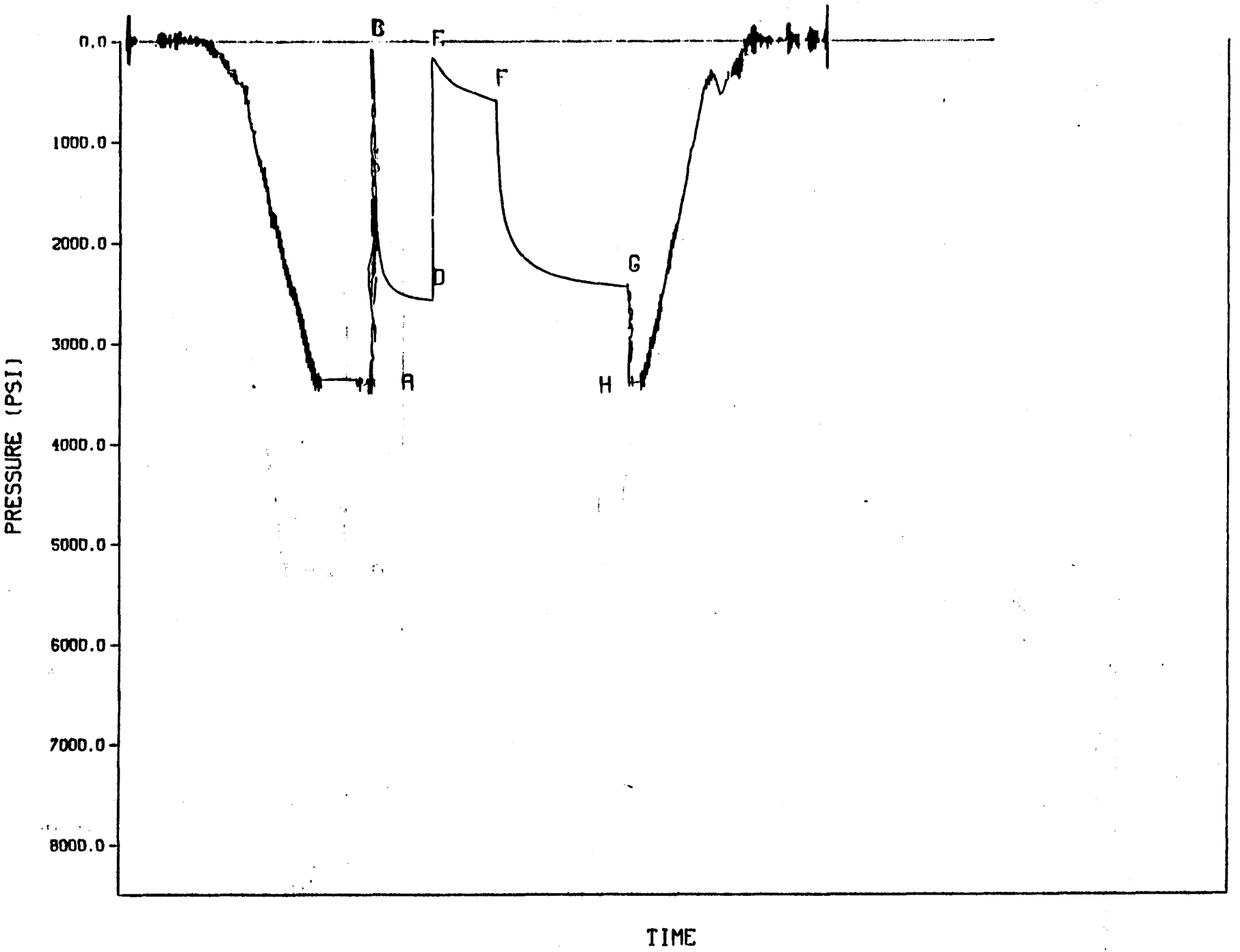
HALLIBURTON CAMP: FARMINGTON
FIELD AREA: WILDCAT

ELEVATION: 5947.0 FEET
NET PAY: 14.0 FEET
HOLE SIZE: 9.9 INCH(ES)
TESTED INTERVAL: 6354.0 FEET - 6380.0 FEET

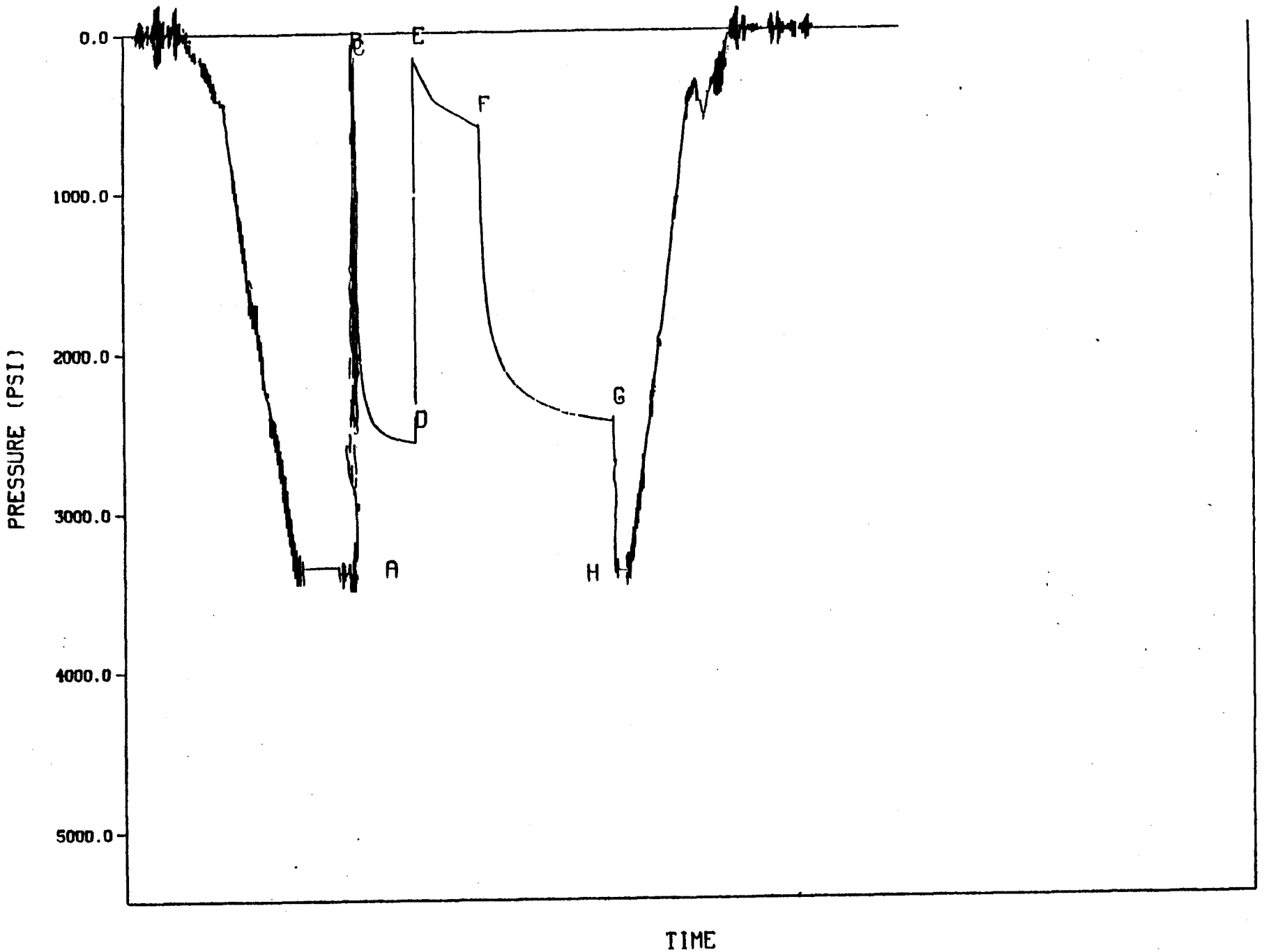
NOTICE:

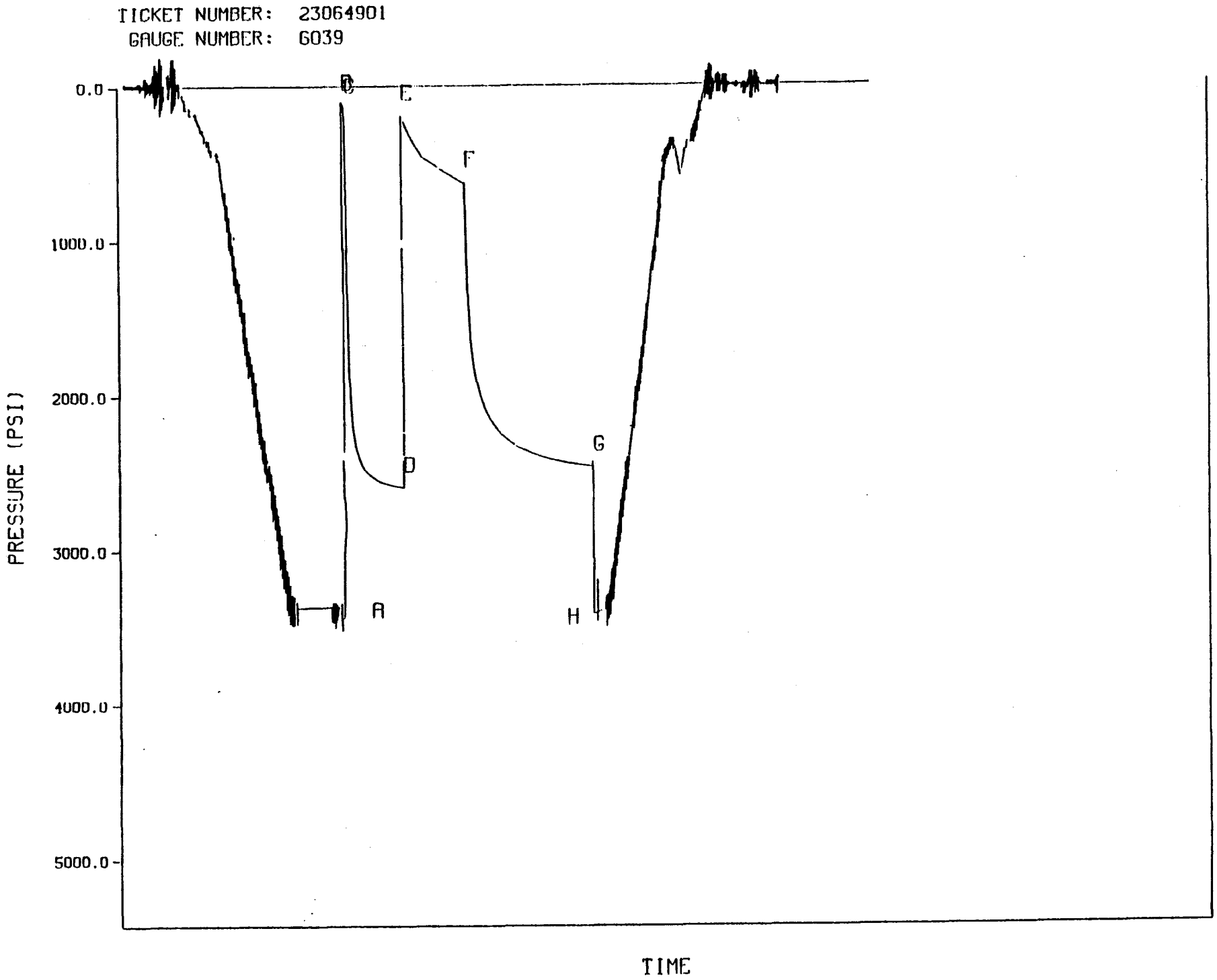
THESE CALCULATIONS ARE BASED UPON INFORMATION FURNISHED BY YOU AND TAKEN FROM DRILL STEM TEST PRESSURE CHARTS, AND ARE FURNISHED YOU FOR YOUR INFORMATION. IN FURNISHING SUCH CALCULATIONS AND EVALUATIONS BASED THEREON, HALLIBURTON IS MERELY EXPRESSING ITS OPINION. YOU AGREE THAT HALLIBURTON MAKES NO WARRANTY 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 CALCULATIONS AND OPINIONS.

TICKET NUMBER: 23064901
GAUGE NUMBER: 105



TICKET NUMBER: 23064901
GAUGE NUMBER: 6040




TICKET NUMBER: 23064901
GAUGE NUMBER: 6039
0.0
1000.0
2000.0
3000.0
4000.0
5000.0
PRESSURE (PSI)
A
B
C
D
E
F
G
H
TIME

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

GAUGE NUMBER: 105
GAUGE DEPTH: 6329.0

BLANKED OFF: NO
CLOCK HOUR: 24

DESCRIPTION	PRESSURE REPORTED	PRESSURE CALCULATED	TIME REPORTED	TIME CALCULATED	TYPE
A INITIAL HYDROSTATIC	0	3345.7			
B INITIAL FIRST FLOW	0	101.3			
C FINAL FIRST FLOW	0	108.9	5.0	3.3	F
C INITIAL FIRST CLOSED-IN	0	108.9			
D FINAL FIRST CLOSED-IN	0	2563.0	85.0	84.8	C
E INITIAL SECOND FLOW	0	202.6			
F FINAL SECOND FLOW	0	599.2	90.0	90.2	F
F INITIAL SECOND CLOSED-IN	0	599.2			
G FINAL SECOND CLOSED-IN	0	2432.8	183.0	183.0	C
H FINAL HYDROSTATIC	0	3371.1			

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

GAUGE NUMBER: 6040
GAUGE DEPTH: 6333.0

BLANKED OFF: NO
CLOCK HOUR: 24

DESCRIPTION	PRESSURE REPORTED	PRESSURE CALCULATED	TIME REPORTED	TIME CALCULATED	TYPE
A INITIAL HYDROSTATIC	0	3338.0			
B INITIAL FIRST FLOW	0	194.2			
C FINAL FIRST FLOW	0	234.8	5.0	3.3	F
C INITIAL FIRST CLOSED-IN	0	234.8			
D FINAL FIRST CLOSED-IN	0	2560.1	85.0	84.8	C
E INITIAL SECOND FLOW	0	166.7			
F FINAL SECOND FLOW	0	603.5	90.0	90.2	F
F INITIAL SECOND CLOSED-IN	0	603.5			
G FINAL SECOND CLOSED-IN	0	2433.9	183.0	183.0	C
H FINAL HYDROSTATIC	0	3367.6			

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

GAUGE NUMBER: 6039
GAUGE DEPTH: 6377.0

BLANKED OFF: YES
CLOCK HOUR: 24

DESCRIPTION	PRESSURE REPORTED	PRESSURE CALCULATED	TIME REPORTED	TIME CALCULATED	TYPE
A INITIAL HYDROSTATIC	0	3363.6			
B INITIAL FIRST FLOW	0	125.3			
C FINAL FIRST FLOW	0	142.7	5.0	3.3	F
C INITIAL FIRST CLOSED-IN	0	142.7			
D FINAL FIRST CLOSED-IN	0	2584.9	85.0	84.8	C
E INITIAL SECOND FLOW	0	189.2			
F FINAL SECOND FLOW	0	624.6	90.0	90.2	F
F INITIAL SECOND CLOSED-IN	0	624.6			
G FINAL SECOND CLOSED-IN	0	2455.5	183.0	183.0	C
H FINAL HYDROSTATIC	0	3407.3			

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

CLOCK NUMBER: 13840
HOUR: 24

GAUGE NUMBER: 105
GAUGE DEPTH: 6329.0

REFERENCE		TIME (MINUTES)	PRESSURE (PSI)	DP	(T*DT)/(T+DT)	LOG (T+DT)/DT
FIRST FLOW						
F	1	0.0	101.3			
E	2	3.3	108.9	7.7		
FIRST CLOSED-IN						
C	1	0.0	108.9			
	2	1.0	252.0	143.0	0.8	0.638
	3	2.0	499.3	390.4	1.2	0.427
	4	3.0	839.6	730.7	1.6	0.324
	5	4.0	1341.3	1232.4	1.8	0.264
	6	5.0	1449.0	1340.1	2.0	0.222
	7	6.0	1740.6	1631.6	2.1	0.192
	8	7.0	1860.1	1751.1	2.3	0.169
	9	8.0	1973.0	1864.1	2.4	0.151
	10	9.0	2048.9	1940.0	2.4	0.137
	11	10.0	2111.2	2002.2	2.5	0.125
	12	12.0	2193.5	2084.6	2.6	0.107
	13	14.0	2259.6	2150.7	2.7	0.093
	14	16.0	2303.3	2194.4	2.8	0.082
	15	18.0	2337.6	2228.7	2.8	0.074
	16	20.0	2367.0	2258.0	2.9	0.067
	17	22.0	2391.6	2282.6	2.9	0.061
	18	24.0	2409.9	2301.0	2.9	0.057
	19	26.0	2425.7	2316.7	3.0	0.052
	20	28.0	2441.3	2332.3	3.0	0.049
	21	30.0	2452.1	2343.2	3.0	0.046
	22	35.0	2478.2	2369.2	3.0	0.040
	23	40.0	2496.8	2387.9	3.1	0.035
	24	45.0	2511.2	2402.3	3.1	0.031
	25	50.0	2522.6	2413.6	3.1	0.028
	26	55.0	2531.9	2423.0	3.1	0.026
	27	60.0	2539.2	2430.3	3.2	0.024
	28	70.0	2551.4	2442.4	3.2	0.020
	29	80.0	2559.4	2450.5	3.2	0.018
I	30	84.8	2563.0	2454.1	3.2	0.017
SECOND FLOW						
E	1	0.0	202.6			
	2	5.0	218.9	16.3		
	3	10.0	271.4	52.5		

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

CLOCK NUMBER: 13840
HOUR: 24

GAUGE NUMBER: 105
GAUGE DEPTH: 6329.0

REFERENCE	TIME (MINUTES)	PRESSURE (PSI)	DP	(T*DT)/(T+DT)	LOG (T+DT)/DT
4	15.0	316.4	45.0		
5	20.0	358.8	42.3		
6	25.0	396.7	37.9		
7	30.0	430.4	33.7		
8	35.0	448.3	17.9		
9	40.0	464.2	15.9		
10	45.0	479.6	15.4		
11	50.0	494.2	14.6		
12	55.0	507.9	13.7		
13	60.0	521.6	13.7		
14	65.0	535.0	13.4		
15	70.0	548.2	13.2		
16	75.0	561.2	13.0		
17	80.0	574.2	13.0		
18	85.0	586.6	12.4		
F 19	90.2	599.2	12.6		

SECOND CLOSED-IN

F	1	0.0	599.2			
	2	1.0	844.4	245.2	1.0	1.976
	3	2.0	1016.5	417.3	2.0	1.679
	4	3.0	1175.4	576.2	2.9	1.508
	5	4.0	1298.3	699.2	3.8	1.387
	6	5.0	1389.8	790.7	4.7	1.295
	7	6.0	1473.5	874.4	5.6	1.220
	8	7.0	1544.6	945.5	6.5	1.157
	9	8.0	1594.4	995.3	7.4	1.104
	10	9.0	1648.4	1049.2	8.2	1.057
	11	10.0	1690.6	1091.4	9.0	1.015
	12	12.0	1758.9	1159.7	10.6	0.944
	13	14.0	1813.9	1214.8	12.2	0.886
	14	16.0	1863.3	1264.2	13.7	0.836
	15	18.0	1905.0	1305.8	15.1	0.792
	16	20.0	1940.5	1341.3	16.5	0.754
	17	22.0	1969.5	1370.3	17.8	0.720
	18	24.0	1998.1	1399.0	19.1	0.690
	19	26.0	2022.5	1423.4	20.3	0.663
	20	28.0	2046.9	1447.8	21.6	0.638
	21	30.0	2068.1	1468.9	22.7	0.615
	22	35.0	2112.7	1513.5	25.5	0.565
	23	40.0	2149.5	1550.3	28.0	0.524
	24	45.0	2180.5	1581.4	30.4	0.488

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

CLOCK NUMBER: 13840
HOUR: 24

GAUGE NUMBER: 105
GAUGE DEPTH: 6329.0

REFERENCE	TIME (MINUTES)	PRESSURE (PSI)	DP	(T*DT) / (T+DT)	(T+DT) LOG / DT
25	50.0	2208.1	1608.9	32.6	0.458
26	55.0	2232.4	1633.3	34.6	0.432
27	60.0	2252.2	1653.1	36.6	0.408
28	70.0	2286.2	1687.0	40.0	0.369
29	80.0	2313.9	1714.7	43.1	0.336
30	90.0	2335.4	1736.2	45.9	0.310
31	100.0	2353.6	1754.5	48.3	0.287
32	110.0	2369.1	1770.0	50.6	0.267
33	120.0	2380.8	1781.7	52.6	0.250
34	135.0	2397.7	1798.5	55.3	0.229
35	150.0	2410.5	1811.3	57.6	0.211
36	165.0	2421.3	1822.1	59.7	0.195
G 37	183.0	2432.8	1833.7	61.9	0.179

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

CLOCK NUMBER: 9756
HOUR: 24

GAUGE NUMBER: 6040
GAUGE DEPTH: 6333.0

REFERENCE		TIME (MINUTES)	PRESSURE (PSI)	DP	(T*DT)/(T+DT)	LOG(T+DT)/DT
FIRST FLOW						
B	1	0.0	194.2			
C	2	3.3	234.8	40.5		
FIRST CLOSED-IN						
C	1	0.0	234.8			
	2	5.0	1608.6	1373.9	2.0	0.222
	3	6.0	1761.3	1526.5	2.1	0.192
	4	7.0	1890.5	1655.7	2.3	0.169
	5	8.0	1985.9	1751.2	2.4	0.151
	6	9.0	2063.9	1829.1	2.4	0.137
	7	10.0	2122.0	1887.3	2.5	0.125
	8	12.0	2207.8	1973.0	2.6	0.107
	9	14.0	2265.1	2030.3	2.7	0.093
	10	16.0	2309.0	2073.2	2.8	0.082
	11	18.0	2340.9	2106.1	2.8	0.074
	12	20.0	2369.8	2135.0	2.9	0.067
	13	22.0	2392.2	2157.4	2.9	0.061
	14	24.0	2412.2	2177.4	2.9	0.057
	15	26.0	2433.4	2197.6	3.0	0.052
	16	28.0	2446.1	2211.3	3.0	0.049
	17	30.0	2457.0	2222.3	3.0	0.046
	18	35.0	2479.9	2245.2	3.0	0.040
	19	40.0	2497.2	2262.4	3.1	0.035
	20	45.0	2510.6	2275.9	3.1	0.031
	21	50.0	2521.3	2286.5	3.1	0.028
	22	55.0	2530.2	2295.4	3.1	0.026
	23	60.0	2538.0	2303.3	3.2	0.024
	24	70.0	2548.5	2313.8	3.2	0.020
	25	80.0	2557.0	2322.2	3.2	0.018
D	26	84.8	2560.1	2325.3	3.2	0.017
SECOND FLOW						
E	1	0.0	166.7			
	2	5.0	228.6	61.9		
	3	10.0	277.7	49.1		
	4	15.0	322.7	45.0		
	5	20.0	364.5	41.8		
	6	25.0	405.0	40.4		
	7	30.0	435.8	30.9		

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

CLOCK NUMBER: 9756
HOUR: 24

GAUGE NUMBER: 6040
GAUGE DEPTH: 6333.0

REFERENCE		TIME (MINUTES)	PRESSURE (PSI)	DP	(T*DT) / (T+DT)	(T+DT) LOG / DT
	8	35.0	452.6	16.7		
	9	40.0	468.4	15.8		
	10	45.0	483.1	14.7		
	11	50.0	497.8	14.7		
	12	55.0	511.8	14.0		
	13	60.0	525.1	13.3		
	14	65.0	538.9	13.7		
	15	70.0	552.1	13.2		
	16	75.0	565.2	13.1		
	17	80.0	578.1	12.9		
	18	85.0	590.8	12.7		
F	19	90.2	603.5	12.7		

SECOND CLOSED-IN

F	1	0.0	603.5			
	2	1.0	854.6	251.2	1.0	1.976
	3	2.0	1040.0	436.5	2.0	1.679
	4	3.0	1213.5	610.1	2.9	1.508
	5	4.0	1338.7	735.2	3.8	1.387
	6	5.0	1437.2	833.7	4.7	1.295
	7	6.0	1514.5	911.0	5.6	1.220
	8	7.0	1579.1	975.6	6.5	1.157
	9	8.0	1632.2	1028.7	7.4	1.104
	10	9.0	1674.5	1071.1	8.2	1.057
	11	10.0	1718.2	1114.7	9.0	1.015
	12	12.0	1781.9	1178.4	10.6	0.944
	13	14.0	1839.6	1236.1	12.2	0.886
	14	16.0	1884.4	1280.9	13.7	0.836
	15	18.0	1924.2	1320.7	15.1	0.792
	16	20.0	1958.7	1355.2	16.5	0.754
	17	22.0	1987.1	1383.6	17.8	0.720
	18	24.0	2014.7	1411.2	19.1	0.690
	19	26.0	2038.0	1434.5	20.3	0.663
	20	28.0	2059.9	1456.4	21.6	0.638
	21	30.0	2079.4	1475.9	22.7	0.615
	22	35.0	2123.0	1519.5	25.5	0.565
	23	40.0	2158.5	1555.0	28.0	0.524
	24	45.0	2188.4	1584.9	30.4	0.488
	25	50.0	2214.6	1611.1	32.6	0.458
	26	55.0	2236.8	1633.3	34.6	0.432
	27	60.0	2256.6	1653.1	36.6	0.408
	28	70.0	2290.2	1686.7	40.0	0.369

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

CLOCK NUMBER: 9756
HOUR: 24

GAUGE NUMBER: 6040
GAUGE DEPTH: 6333.0

REFERENCE	TIME (MINUTES)	PRESSURE (PSI)	DP	(T*DT)/(T+DT)	LOG (T+DT)/DT
29	80.0	2316.6	1713.1	43.1	0.336
30	90.0	2338.1	1734.7	45.9	0.310
31	100.0	2355.9	1752.4	48.3	0.287
32	110.0	2371.2	1767.8	50.6	0.267
33	120.0	2383.6	1780.1	52.6	0.250
34	135.0	2400.7	1797.2	55.3	0.229
35	150.0	2412.8	1809.3	57.6	0.211
36	165.0	2423.2	1819.7	59.7	0.195
G 37	183.0	2433.9	1830.4	61.9	0.179

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

CLOCK NUMBER: 17741
HOUR: 24

GAUGE NUMBER: 6039
GAUGE DEPTH: 6377.0

REFERENCE		TIME (MINUTES)	PRESSURE (PSI)	DP	(T*DT)/(T+DT)	(T+DT) LOG/DT
FIRST FLOW						
B	1	0.0	125.3			
C	2	3.3	142.7	17.5		
FIRST CLOSED-IN						
C	1	0.0	142.7			
	2	1.0	248.3	105.6	0.8	0.637
	3	2.0	415.2	272.5	1.3	0.426
	4	3.0	753.4	610.7	1.6	0.325
	5	4.0	1184.3	1041.6	1.8	0.263
	6	5.0	1420.7	1278.0	2.0	0.222
	7	6.0	1623.8	1481.0	2.1	0.192
	8	7.0	1796.2	1653.5	2.3	0.169
	9	8.0	1916.7	1774.0	2.4	0.151
	10	9.0	2017.0	1874.3	2.4	0.137
	11	10.0	2091.4	1948.6	2.5	0.125
	12	12.0	2194.7	2052.0	2.6	0.107
	13	14.0	2262.9	2120.2	2.7	0.093
	14	16.0	2312.1	2169.4	2.8	0.082
	15	18.0	2353.7	2210.9	2.8	0.074
	16	20.0	2383.0	2240.2	2.9	0.067
	17	22.0	2408.2	2265.5	2.9	0.061
	18	24.0	2434.3	2291.5	2.9	0.057
	19	26.0	2449.4	2306.6	3.0	0.052
	20	28.0	2464.4	2321.6	3.0	0.049
	21	30.0	2477.2	2334.5	3.0	0.046
	22	35.0	2501.4	2358.7	3.0	0.040
	23	40.0	2519.6	2376.9	3.1	0.035
	24	45.0	2534.3	2391.6	3.1	0.031
	25	50.0	2545.2	2402.4	3.1	0.028
	26	55.0	2554.1	2411.4	3.1	0.026
	27	60.0	2562.2	2419.4	3.2	0.024
	28	70.0	2573.6	2430.8	3.2	0.020
	29	80.0	2581.4	2438.6	3.2	0.018
D	30	84.8	2584.9	2442.2	3.2	0.017
SECOND FLOW						
E	1	0.0	189.2			
	2	5.0	246.0	56.8		
	3	10.0	298.0	52.0		

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

CLOCK NUMBER: 17741
HOUR: 24

GAUGE NUMBER: 6039
GAUGE DEPTH: 6377.0

REFERENCE		TIME (MINUTES)	PRESSURE (PSI)	DP	(T*DT)/(T+DT)	(T+DT) LOG------ DT
	4	15.0	341.7	43.7		
	5	20.0	384.1	42.4		
	6	25.0	422.9	38.8		
	7	30.0	456.5	33.6		
	8	35.0	473.5	17.0		
	9	40.0	488.6	15.2		
	10	45.0	503.4	14.8		
	11	50.0	518.0	14.6		
	12	55.0	532.3	14.3		
	13	60.0	545.5	13.3		
	14	65.0	559.0	13.4		
	15	70.0	572.2	13.2		
	16	75.0	585.5	13.3		
	17	80.0	598.3	12.8		
	18	85.0	611.1	12.8		
F	19	90.2	624.6	13.5		
SECOND CLOSED-IN						
F	1	0.0	624.6			
	2	1.0	779.2	154.6	1.0	1.976
	3	2.0	1026.8	402.2	2.0	1.679
	4	3.0	1184.7	560.1	2.9	1.508
	5	4.0	1318.6	694.0	3.8	1.387
	6	5.0	1423.0	798.4	4.7	1.295
	7	6.0	1510.0	885.4	5.6	1.220
	8	7.0	1578.6	954.0	6.5	1.157
	9	8.0	1633.9	1009.2	7.4	1.104
	10	9.0	1680.6	1056.0	8.2	1.057
	11	10.0	1725.2	1100.5	9.0	1.015
	12	12.0	1792.9	1168.3	10.6	0.944
	13	14.0	1850.2	1225.6	12.2	0.886
	14	16.0	1901.6	1277.0	13.7	0.836
	15	18.0	1940.6	1316.0	15.1	0.792
	16	20.0	1974.4	1349.8	16.5	0.754
	17	22.0	2005.0	1380.4	17.8	0.720
	18	24.0	2032.3	1407.7	19.1	0.690
	19	26.0	2057.4	1432.8	20.3	0.663
	20	28.0	2080.2	1455.6	21.6	0.638
	21	30.0	2099.2	1474.6	22.7	0.615
	22	35.0	2143.6	1519.0	25.5	0.565
	23	40.0	2180.2	1555.6	28.0	0.524
	24	45.0	2208.4	1583.8	30.4	0.488

HALLIBURTON SERVICES

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

CLOCK NUMBER: 17741
HOUR: 24

GAUGE NUMBER: 6039
GAUGE DEPTH: 6377.0

REFERENCE	TIME (MINUTES)	PRESSURE (PSI)	DP	(T*DT) / (T+DT)	(T+DT) LOG / DT
25	50.0	2234.9	1610.3	32.6	0.458
26	55.0	2258.0	1633.4	34.6	0.432
27	60.0	2277.7	1653.1	36.6	0.408
28	70.0	2310.5	1685.9	40.0	0.369
29	80.0	2337.9	1713.3	43.1	0.336
30	90.0	2359.4	1734.8	45.9	0.310
31	100.0	2377.8	1753.2	48.3	0.287
32	110.0	2393.4	1768.8	50.6	0.267
33	120.0	2406.2	1781.6	52.6	0.250
34	135.0	2422.3	1797.7	55.3	0.229
35	150.0	2435.2	1810.6	57.6	0.211
36	165.0	2445.4	1820.8	59.7	0.195
G 37	183.0	2455.5	1830.9	61.9	0.179

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

EQUIPMENT & HOLE DATA

FORMATION TESTED:	DESERT CREEK
NET PAY:	14.0 FT.
GROSS TESTED FOOTAGE:	26.0 FT.
ALL DEPTHS MEASURED FROM:	K. B.
CASING PERFORATIONS:	
HOLE/CASING SIZE:	9.9 IN.
ELEVATION:	5947.0 FT.
TOTAL DEPTH:	6380.0 FT.
PACKER DEPTH(S):	6348.0 FT.
	6354.0 FT.
FINAL SURFACE CHOKE:	0.12500 IN.
BOTTOM HOLE CHOKE:	0.750 IN.
MUD WEIGHT:	10.20 LB/GAL
MUD VISCOSITY:	40.00 SEC.
ESTIMATED HOLE TEMPERATURE:	130.0 F
ACTUAL HOLE TEMPERATURE:	122.0 F @ 6376.0 FT.

HYDROCARBON PROPERTIES

OIL GRAVITY:	
GAS/OIL RATIO:	
GAS GRAVITY:	0.6

SAMPLER DATA

SURFACE PRESSURE:	163.0 PSIG
GAS VOLUME:	0.13 CU.FT.
OIL VOLUME:	
WATER VOLUME:	1900.0 CC
MUD VOLUME:	
TOTAL LIQUID VOLUME:	1900.0 CC

TESTER(S):

DAN AULD

WITNESS(ES):

MR. MOWRY

	TOOL EQUIPMENT	O.D.	I.D.	LENGTH	DEPTH
					
1	DRILL PIPE	4.500	3.826	6507.0	
3	DRILL COLLARS	6.250	2.250	525.0	
3	DRILL COLLARS	7.000	2.250	121.0	
50	IMPACT REVERSING SUB	6.000	3.000	1.0	6253.0
3	DRILL COLLARS	7.000	2.250	61.0	
5	CROSSOVER	6.000	3.000	1.0	
13	DUAL CIP SAMPLER	5.000	0.870	7.0	
60	HYDROSPRING TESTER	5.000	0.750	5.0	6327.0
80	AP RUNNING CASE	5.000	2.250	4.0	6329.0
80	AP RUNNING CASE	5.000	2.250	4.0	6333.0
15	JAR	5.000	1.750	5.0	
16	VR SAFETY JOINT	5.000	1.000	3.0	
70	OPEN HOLE PACKER	8.750	1.680	6.0	6348.0
70	OPEN HOLE PACKER	8.750	1.680	6.0	6354.0
20	FLUSH JOINT ANCHOR	5.750	2.500	20.0	
81	BLANKED-OFF RUNNING CASE	5.750	0.000	4.0	6377.0
	TOTAL DEPTH				6380.0

TICKET NUMBER: 23064901
TEST DATE: 9-16-85

TYPE AND SIZE MEASURING DEVICE: 6" POSITIVE CHOKE NIPPLE

TIME	CHOKE SIZE	SURFACE PRESSURE (PSI)	GAS RATE (MCF)	LIQUID RATE (BPD)	REMARKS
9-15-85					
0753					ON LOCATION
1145					PICKED UP TOOLS
1245					STARTED IN THE HOLE
1534					ON BOTTOM AND WAITED ON SEPARATOR.
1644	1/8 BH	4 OZ.			TOOL OPENED
1645	BH	9 OZ.			
1646	BH	12 OZ.			
1647	BH	14 OZ.			
1648	BH	14.5 OZ.			CLOSED TOOL
1812	1/8 BH	2 OZ.			OPENED TOOL
1813	BH	2 OZ.			
1814	BH	3.5 OZ.			
1815	BH	4.0 OZ.			
1816	BH	4.0 OZ.			
1817	BH	4.25 OZ.			
1822	BH	5.5 OZ.			
1827	BH	6.0 OZ.			
1832	BH	6.5 OZ.			
1837	BH	7.0 OZ.			
1842	BH	7.25 OZ.			
1847	BH	7.25 OZ.			
1852	BH	7.5 OZ.			
1857	BH	7.75 OZ.			
1902	BH	7.7 OZ.			
1907	BH	7.75 OZ.			
1912	BH	7.87 OZ.			
1917	BH	8.0 OZ.			
1922	BH	8.25 OZ.			
1927	BH	8.25 OZ.			
1932	BH	7.75 OZ.			
1937	BH	7.75 OZ.			
1942	BH	7.75 OZ.			CLOSED TOOL
2245					OPENED BYPASS AND TRIPPED OUT OF HOLE
9-16-85					
0430					JOB COMPLETED

TICKET NUMBER: 2306490[redacted]
TEST DATE: 9-16-85

FLUID PROPERTIES FOR RECOVERED MUD AND WATER

SOURCE	RESISTIVITY		CHLORIDES
PIT	0.090 @	60.0 F	0.0 PPM
TOP OF RECOVERY	0.091 @	74.0 F	0.0 PPM
MIDDLE RECOVERY	0.088 @	78.0 F	0.0 PPM
SAMPLER	0.089 @	69.0 F	0.0 PPM
	0.0 @	0.0 F	0.0 PPM
	0.0 @	0.0 F	0.0 PPM

CUSHION DATA

TYPE	AMOUNT	WEIGHT
	0.0	0.0
	0.0	0.0

RECOVERED (MEASURED FROM TESTER VALVE):

1125 FEET OF WATER

REMARKS:

Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

303/572-1121

September 17, 1985

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

Re: State 1-2
705.8' FNL, 2026.2' FEL
NW NE Section 2-T37S-R21E
San Juan County, Utah
Lease ML-38397
Permit No. 43-037-31185

Gentlemen:

Enclosed is Sundry Notice of chronological histor for the month of August 1985 for your information.

Yours very truly,

Anne Dyer

Anne M. Dyer
Operations Analyst
Denver District Drilling Department

d

Enclosure

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

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.)

RECEIVED
SEP 19 1985
DIVISION OF OIL
MINING

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR: P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 705.8' FNL, 2026.2' FEL NW NE

5. LEASE DESIGNATION AND SERIAL NO.: ML-38397

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: NA

8. FARM OR LEASE NAME: State 1-2

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 2-T37S-R21E

14. PERMIT NO.: 43-037-31185

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5930.6'

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	[ ]	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) Monthly chronological report			[X]
(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.)*

Please refer to attached copy of chronological history for month of August 1985.

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

SIGNED H. E. Aab TITLE District Drilling Manager Denver District DATE September 17, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COGC #1-2 STATE
ZEKE'S HOLE
SAN JUAN COUNTY, UTAH
CONTR: ENERGY SEARCH #1/
WI: COGC 100%; AFE:
ATD: 8400'; SD: 8-28-85
CSG: 16" @ 60'

LOCATION: 705.8' FNL, 2026.2' FEL
NW NE Section 2-T37S-R21E GR5930.6' ungrd

8-20-85 Building road and location.

8-21-85 Building road and location.

8-22-85 Building location. Surface ground is solid slick rock, 10 feet thick. Will start blasting today.

8-23-85 Building location. Will start MIRT Tuesday, 8-27-85.

8-24-85 Building location

8-25-85 Building location

8-26-85 Building reserve pit. Prep to set 60' of 16" conductor. Fin building location. Will MI Energy Search Rig #1, Tuesday AM. Should spud Thursday AM 8-29-85.

8-27-85 60' (60'-5 hr) Prep to fin road & run 16" conductor pipe. Spud 20" cond hole @ 2:30 PM 8-26-85. Drld to 60'.

8-28-85 60' GL. Set 16" at 60'. MI & RURT. Ran 60' of 16" cond pipe, set at 60' GL. Cement with 4 cu yds Redimix to surf.

8-29-85 820' (747'-9¼ hr) drlg. RURT. Spud 14 3/4" hole at 8 PM 8-28-85. Svy: ½° @ 567'. MW 8.5, Vis 30

8-30-85 2262' (1442'-22¼ hr) Drlg. T/Chinle 2200'. Csg point to be 2298'. Svy: 1½° @ 2114'. MW 8.8, Vis 30.

9/30/85

Coastal - Verbal P×A approval.

State 1-2

Sec. 2, T37S, R21E

San Juan Co.

TD = 7744

10 3/4" @ 2298'

Leadville/Miss.	7455'
Paradox Salt	6445'
Hermosa	4960

-Lost circulation on bottom.

-Want to pump salt water mud system down hole into lost circ. zone ~ 1000 - 2000 bbl.

① Plug 7350' - 7450' × tag.

② Plug 6350' - 6450'

③ Plug 4860' - 4960'

④ Plug 2250' - 2350'

⑤ Plug 10-15 sx surface plug.

Chuck Mowry
(801) 678-2278
Room 145

Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

303/572-1121

October 1, 1985

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

Re: State 1-2
705.8' FNL, 2026.2' FEL
NW NE Section 2-T37S-R21E
San Juan County, Utah
Lease ML-38397
Permit No. 43-037-31185

Gentlemen:

Enclosed is Sundry Notice of chronological history for the month of September on the referenced well.

Yours very truly,

Anne M. Dyer

Anne M. Dyer
Operations Analyst
Denver District Drilling Department

d

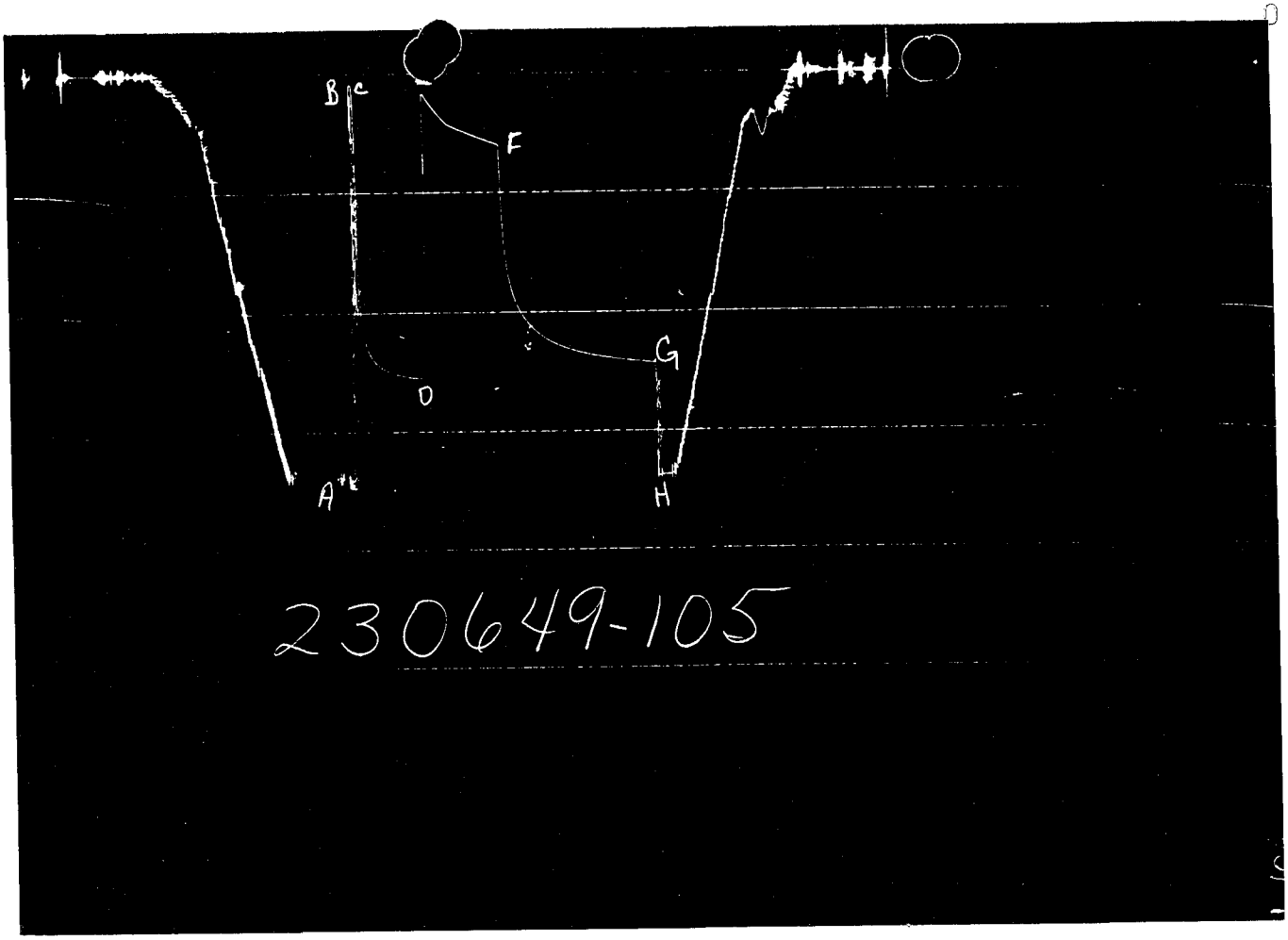
Enclosure

ZEKE'S HOLE PROSPECT	STATE 1-2	1		COASTAL OIL AND GAS CORPORATION
LEASE NAME	WELL NO.	TEST NO.		LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	TESTED INTERVAL	COUNTY	STATE
2-37S-21E	WILDCAT	6354.0 - 6380.0	SAN JUAN	UTAH

HALLIBURTON
SERVICES

TICKET NO. 23064900
19-SEP-85
FARMINGTON

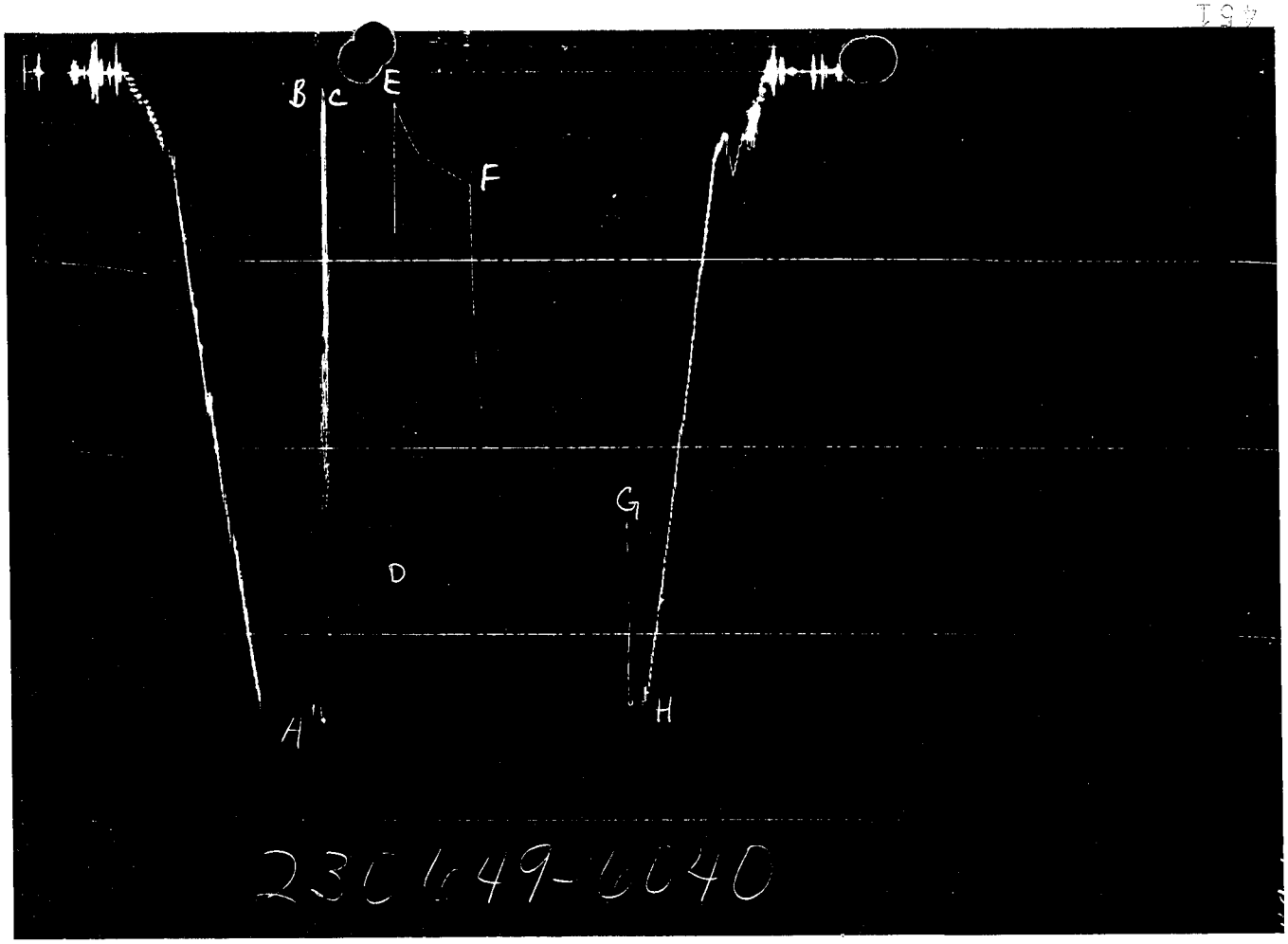
FORMATION TESTING SERVICE REPORT



230649-105

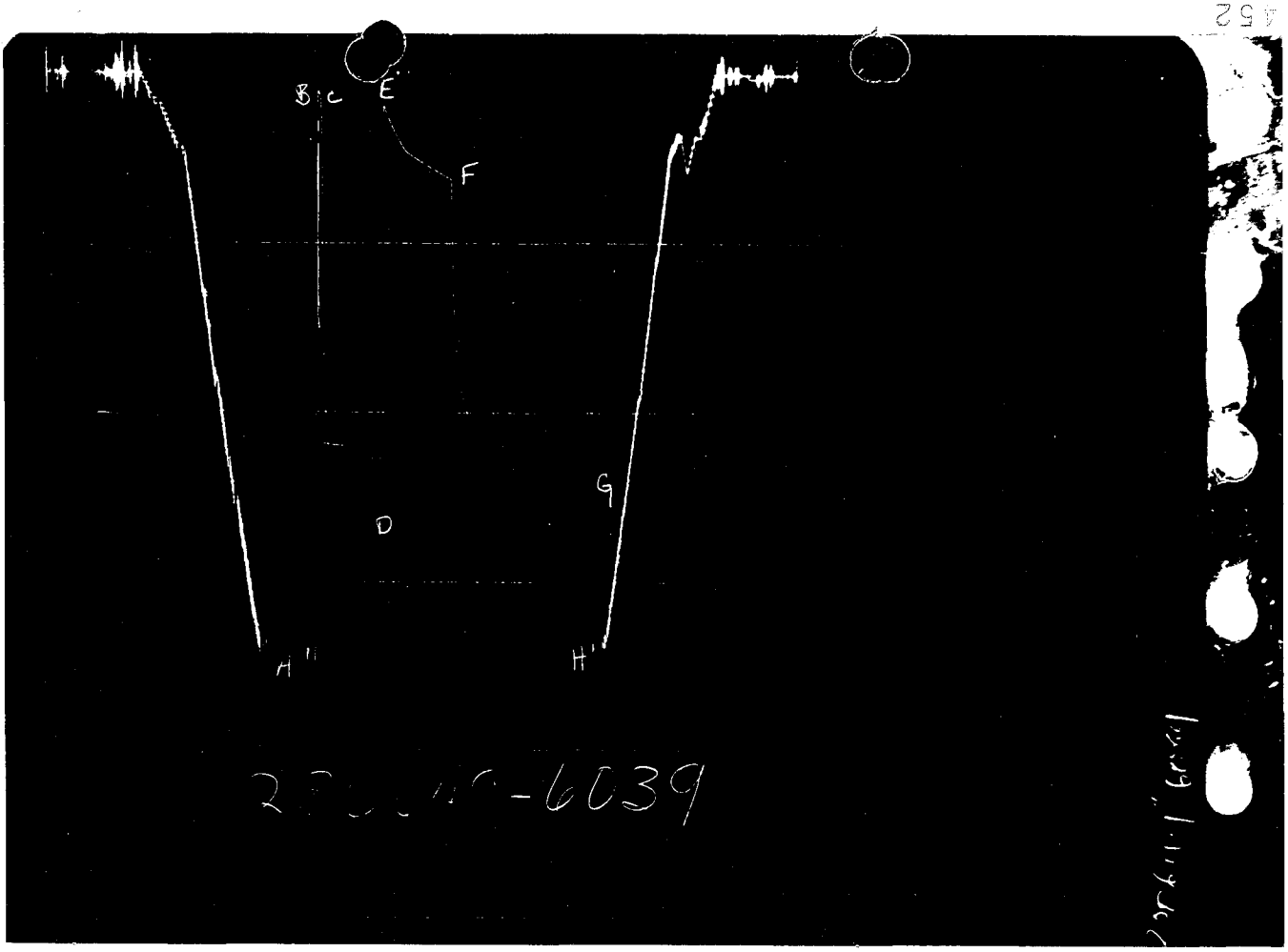
GAUGE NO: 105 DEPTH: 6329.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3392	3337.9			
B	INITIAL FIRST FLOW	84	94.4	4.0	3.5	F
C	FINAL FIRST FLOW	84	116.3			
C	INITIAL FIRST CLOSED-IN	84	116.3	84.0	84.0	C
D	FINAL FIRST CLOSED-IN	2547	2558.1			
E	INITIAL SECOND FLOW	169	173.8	90.0	90.1	F
F	FINAL SECOND FLOW	569	597.6			
F	INITIAL SECOND CLOSED-IN	569	597.6	183.0	182.9	C
G	FINAL SECOND CLOSED-IN	2441	2428.9			
H	FINAL HYDROSTATIC	3307	3369.5			



GAUGE NO: 6040 DEPTH: 6333.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3387	3334.5			
B	INITIAL FIRST FLOW	81	85.4	4.0	3.5	F
C	FINAL FIRST FLOW	81	120.1			
C	INITIAL FIRST CLOSED-IN	81	120.1	84.0	84.0	C
D	FINAL FIRST CLOSED-IN	2547	2555.4			
E	INITIAL SECOND FLOW	162	163.4	90.0	90.1	F
F	FINAL SECOND FLOW	607	600.9			
F	INITIAL SECOND CLOSED-IN	607	600.9	183.0	182.9	C
G	FINAL SECOND CLOSED-IN	2412	2428.7			
H	FINAL HYDROSTATIC	3360	3363.7			



GAUGE NO: 6039 DEPTH: 6377.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3438	3359.2			
B	INITIAL FIRST FLOW	107	103.9	4.0	3.5	F
C	FINAL FIRST FLOW	107	135.8			
C	INITIAL FIRST CLOSED-IN	107	135.8	84.0	84.0	C
D	FINAL FIRST CLOSED-IN	2585	2581.2			
E	INITIAL SECOND FLOW	174	191.7	90.0	90.1	F
F	FINAL SECOND FLOW	617	623.4			
F	INITIAL SECOND CLOSED-IN	617	623.4	183.0	182.9	C
G	FINAL SECOND CLOSED-IN	2437	2453.6			
H	FINAL HYDROSTATIC	3383	3389.0			

EQUIPMENT & HOLE DATA

FORMATION TESTED: DESERT CREEK
NET PAY (ft): 14.0
GROSS TESTED FOOTAGE: 26.0
ALL DEPTHS MEASURED FROM: KB
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 9.875
ELEVATION (ft): 5947.0
TOTAL DEPTH (ft): 6380.0
PACKER DEPTH(S) (ft): 6348, 6354
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 10.20
MUD VISCOSITY (sec): 40
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): 122 @ 6376.0 ft

TICKET NUMBER: 23064900

DATE: 9-16-85 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: FARMINGTON

TESTER: D. AULD

WITNESS: MR. MOWRY

DRILLING CONTRACTOR: ENERGY SEARCH #1

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY		CHLORIDES
PIT	0.090 @	60 °F	43000 ppm
TOP	0.091 @	74 °F	43000 ppm
MIDDLE	0.088 @	78 °F	47000 ppm
SAMPLER	0.089 @	65 °F	ppm
	@	°F	ppm
	@	°F	ppm

SAMPLER DATA

Psig AT SURFACE: 163.0
cu.ft. OF GAS: 0.162
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:

1125' OF WATER

MEASURED FROM TESTER VALVE

REMARKS:

TYPE & SIZE MEASURING DEVICE: _____					TICKET NO: 23064900
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
9-15-85					
0753					ON LOCATION
1145					PICKED UP TOOL
1245					TOOL ON TRIP IN
1534					ON BOTTOM, WAITED ON SEPARATOR
1644	1/8BH	4 OZ			OPENED TOOL
1645		9 OZ			
1646		12 OZ			
1647		14 OZ			
1648		14.5 OZ			CLOSED TOOL
1812	"	2 OZ			OPENED TOOL
1813		3 OZ			
1814		3.5 OZ			
1815		4 OZ			
1816		4 OZ			
1817		4.25 OZ			
1822		5.5 OZ			
1827		6 OZ			
1832		6.5 OZ			
1837		7 OZ			
1842		7.125 OZ			
1847		7.25 OZ			
1852		7.5 OZ			
1857		7.75 OZ			
1902		7.75 OZ			
1907		7.75 OZ			
1912		7.875 OZ			
1917		8 OZ			
1922		8.25 OZ			
1927		8.25 OZ			
1932		7.75 OZ			
1937		7.75 OZ			
1942		7.75 OZ			CLOSED TOOL
2245					OPENED BY-PASS, TRIP OUT.
9-16-85					
0430					JOB COMPLETED.

TICKET NO: 23064900

CLOCK NO: 13840 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 105

DEPTH: 6329.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	94.4			
	2	1.0	97.3	2.9		
	3	2.0	97.3	0.0		
	4	3.0	107.4	10.1		
C	5	3.5	116.3	8.8		
			FIRST CLOSED-IN			
C	1	0.0	116.3			
	2	4.0	1542.8	1426.5	1.9	0.272
	3	8.0	2075.5	1959.2	2.4	0.158
	4	12.0	2235.0	2118.8	2.7	0.112
	5	16.0	2326.6	2210.3	2.9	0.086
	6	20.0	2381.1	2264.8	3.0	0.070
	7	24.0	2416.7	2300.4	3.1	0.059
	8	28.0	2444.1	2327.9	3.1	0.052
	9	32.0	2466.9	2350.7	3.2	0.045
	10	36.0	2483.0	2366.7	3.2	0.041
	11	40.0	2495.8	2379.6	3.2	0.037
	12	44.0	2507.5	2391.2	3.3	0.033
	13	48.0	2516.7	2400.4	3.3	0.031
	14	52.0	2524.1	2407.8	3.3	0.028
	15	56.0	2531.5	2415.2	3.3	0.026
	16	60.0	2536.8	2420.5	3.3	0.025
	17	64.0	2542.7	2426.4	3.3	0.023
	18	68.0	2546.5	2430.2	3.3	0.022
	19	72.0	2550.5	2434.2	3.4	0.021
	20	76.0	2553.0	2436.7	3.4	0.020
	21	80.0	2555.6	2439.3	3.4	0.019
D	22	84.0	2558.1	2441.8	3.4	0.018
			SECOND FLOW			
E	1	0.0	173.8			
	2	10.0	277.9	104.0		
	3	20.0	363.0	85.1		
	4	30.0	432.0	69.1		
	5	40.0	464.9	32.9		
	6	50.0	495.0	30.1		
	7	60.0	521.5	26.5		
	8	70.0	546.6	25.1		
	9	80.0	572.5	25.9		
F	10	90.1	597.6	25.1		
			SECOND CLOSED-IN			
F	1	0.0	597.6			
	2	8.0	1621.4	1023.9	7.3	1.106
	3	16.0	1869.8	1272.3	13.6	0.836

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			SECOND CLOSED-IN - CONTINUED			
	4	24.0	2001.0	1403.4	19.1	0.690
	5	32.0	2086.2	1488.7	23.9	0.594
	6	40.0	2149.5	1552.0	28.0	0.524
	7	48.0	2196.8	1599.2	31.7	0.470
	8	56.0	2234.8	1637.2	35.0	0.427
	9	64.0	2265.6	1668.0	38.0	0.391
	10	72.0	2289.7	1692.1	40.7	0.362
	11	80.0	2311.0	1713.4	43.1	0.336
	12	88.0	2328.1	1730.5	45.4	0.315
	13	96.0	2343.9	1746.3	47.4	0.296
	14	104.0	2357.2	1759.6	49.3	0.279
	15	112.0	2369.0	1771.4	51.0	0.264
	16	120.0	2378.9	1781.4	52.6	0.250
	17	128.0	2388.0	1790.4	54.1	0.238
	18	136.0	2395.8	1798.2	55.5	0.227
	19	144.0	2403.8	1806.3	56.7	0.218
	20	152.0	2409.7	1812.2	57.9	0.208
	21	160.0	2415.2	1817.7	59.1	0.200
	22	168.0	2420.3	1822.7	60.1	0.192
	23	176.0	2425.8	1828.2	61.1	0.185
G	24	182.9	2428.9	1831.4	61.9	0.179

REMARKS:

TICKET NO: 23064900

CLOCK NO: 9756 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 6040

DEPTH: 6333.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	85.4			
	2	1.0	92.4	7.0		
	3	2.0	103.9	11.5		
	4	3.0	116.1	12.2		
C	5	3.5	120.1	4.1		
			FIRST CLOSED-IN			
C	1	0.0	120.1			
	2	4.0	1535.3	1415.2	1.9	0.273
	3	8.0	2074.8	1954.6	2.4	0.159
	4	12.0	2238.7	2118.6	2.7	0.112
	5	16.0	2328.3	2208.2	2.9	0.086
	6	20.0	2382.8	2262.7	3.0	0.071
	7	24.0	2420.3	2300.1	3.1	0.060
	8	28.0	2447.2	2327.0	3.1	0.051
	9	32.0	2466.0	2345.8	3.2	0.045
	10	36.0	2483.0	2362.9	3.2	0.040
	11	40.0	2496.0	2375.8	3.2	0.037
	12	44.0	2507.9	2387.7	3.3	0.033
	13	48.0	2516.4	2396.3	3.3	0.031
	14	52.0	2523.4	2403.3	3.3	0.028
	15	56.0	2530.2	2410.0	3.3	0.026
	16	60.0	2535.7	2415.6	3.3	0.025
	17	64.0	2540.0	2419.9	3.3	0.023
	18	68.0	2544.4	2424.2	3.3	0.022
	19	72.0	2547.5	2427.3	3.4	0.021
	20	76.0	2550.7	2430.6	3.4	0.020
	21	80.0	2553.4	2433.3	3.4	0.019
D	22	84.0	2555.4	2435.3	3.4	0.018
			SECOND FLOW			
E	1	0.0	163.4			
	2	10.0	277.7	114.3		
	3	20.0	364.3	86.7		
	4	30.0	433.6	69.2		
	5	40.0	466.3	32.7		
	6	50.0	495.9	29.6		
	7	60.0	522.9	27.0		
	8	70.0	548.4	25.5		
	9	80.0	574.5	26.2		
F	10	90.1	600.9	26.4		
			SECOND CLOSED-IN			
F	1	0.0	600.9			
	2	8.0	1647.5	1046.6	7.4	1.103
	3	16.0	1892.9	1292.0	13.7	0.835

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			SECOND CLOSED-IN - CONTINUED			
	4	24.0	2014.5	1413.5	19.1	0.690
	5	32.0	2098.4	1497.5	23.8	0.594
	6	40.0	2156.6	1555.6	28.0	0.524
	7	48.0	2202.7	1601.7	31.7	0.470
	8	56.0	2239.6	1638.7	35.0	0.427
	9	64.0	2267.7	1666.8	38.0	0.391
	10	72.0	2291.5	1690.6	40.7	0.362
	11	80.0	2313.1	1712.2	43.1	0.336
	12	88.0	2330.4	1729.5	45.4	0.315
	13	96.0	2345.9	1744.9	47.4	0.296
	14	104.0	2358.6	1757.6	49.3	0.279
	15	112.0	2370.6	1769.7	51.0	0.264
	16	120.0	2380.6	1779.7	52.6	0.250
	17	128.0	2389.1	1788.2	54.1	0.238
	18	136.0	2396.6	1795.6	55.4	0.227
	19	144.0	2404.0	1803.1	56.7	0.218
	20	152.0	2409.7	1808.8	57.9	0.208
	21	160.0	2415.0	1814.0	59.1	0.200
	22	168.0	2420.2	1819.3	60.1	0.192
	23	176.0	2425.5	1824.6	61.1	0.185
G	24	182.9	2428.7	1827.8	61.9	0.179

REMARKS:

TICKET NO: 23064900

CLOCK NO: 17741 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 6039

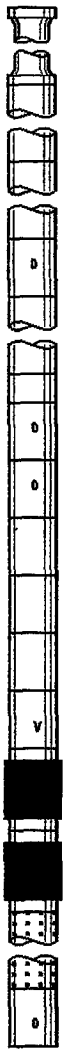
DEPTH: 6377.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	103.9			
	2	1.0	105.0	1.1		
	3	2.0	120.0	15.0		
	4	3.0	132.7	12.7		
C	5	3.5	135.8	3.1		
			FIRST CLOSED-IN			
C	1	0.0	135.8			
	2	4.0	1539.7	1403.9	1.9	0.274
	3	8.0	2090.0	1954.2	2.4	0.158
	4	12.0	2262.4	2126.6	2.7	0.112
	5	16.0	2350.3	2214.5	2.9	0.087
	6	20.0	2406.4	2270.6	3.0	0.070
	7	24.0	2443.9	2308.1	3.1	0.060
	8	28.0	2470.8	2335.0	3.1	0.051
	9	32.0	2492.3	2356.5	3.2	0.045
	10	36.0	2508.9	2373.1	3.2	0.041
	11	40.0	2522.2	2386.4	3.2	0.037
	12	44.0	2532.9	2397.1	3.3	0.033
	13	48.0	2542.3	2406.4	3.3	0.031
	14	52.0	2548.9	2413.1	3.3	0.028
	15	56.0	2556.3	2420.5	3.3	0.026
	16	60.0	2561.4	2425.6	3.3	0.025
	17	64.0	2565.7	2429.9	3.3	0.023
	18	68.0	2569.8	2434.0	3.3	0.022
	19	72.0	2573.4	2437.6	3.4	0.021
	20	76.0	2576.5	2440.7	3.4	0.020
	21	80.0	2579.1	2443.3	3.4	0.019
D	22	84.0	2581.2	2445.4	3.4	0.018
			SECOND FLOW			
E	1	0.0	191.7			
	2	10.0	300.5	108.8		
	3	20.0	387.6	87.1		
	4	30.0	457.3	69.8		
	5	40.0	488.3	31.0		
	6	50.0	518.2	29.9		
	7	60.0	544.6	26.4		
	8	70.0	571.2	26.6		
	9	80.0	596.6	25.4		
F	10	90.1	623.4	26.8		
			SECOND CLOSED-IN			
F	1	0.0	623.4			
	2	8.0	1686.5	1063.1	7.4	1.105
	3	16.0	1921.7	1298.3	13.7	0.835

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			SECOND CLOSED-IN - CONTINUED			
	4	24.0	2045.2	1421.8	19.1	0.691
	5	32.0	2126.4	1503.0	23.9	0.594
	6	40.0	2183.2	1559.8	28.0	0.524
	7	48.0	2229.0	1605.6	31.7	0.470
	8	56.0	2264.0	1640.6	35.0	0.427
	9	64.0	2293.0	1669.6	38.0	0.391
	10	72.0	2317.7	1694.3	40.7	0.362
	11	80.0	2337.6	1714.2	43.1	0.336
	12	88.0	2355.6	1732.2	45.4	0.315
	13	96.0	2371.5	1748.2	47.4	0.296
	14	104.0	2384.7	1761.3	49.3	0.279
	15	112.0	2395.9	1772.5	51.0	0.264
	16	120.0	2405.1	1781.7	52.6	0.250
	17	128.0	2414.3	1790.9	54.1	0.238
	18	136.0	2421.9	1798.5	55.4	0.227
	19	144.0	2428.6	1805.2	56.7	0.217
	20	152.0	2434.0	1810.6	57.9	0.208
	21	160.0	2440.1	1816.7	59.1	0.200
	22	168.0	2444.8	1821.5	60.1	0.192
	23	176.0	2449.6	1826.2	61.1	0.185
G	24	182.9	2453.6	1830.2	61.9	0.179

REMARKS:

TICKET NO. 23064900



		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	4.500	3.826	5507.0	
3	DRILL COLLARS.....	6.250	2.250	625.0	
3	DRILL COLLARS.....	7.000	2.250	121.0	
50	IMPACT REVERSING SUB.....	6.000	3.000	1.0	6253.0
3	DRILL COLLARS.....	7.000	2.250	61.0	
5	CROSSOVER.....	6.000	3.000	1.0	
13	DUAL CIP SAMPLER.....	5.000	0.750	7.0	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	6327.0
80	AP RUNNING CASE.....	5.000	2.250	4.0	6329.0
80	AP RUNNING CASE.....	5.000	2.250	4.0	6333.0
15	JAR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	3.0	
70	OPEN HOLE PACKER.....	8.750	1.680	6.0	6348.0
70	OPEN HOLE PACKER.....	8.750	1.680	6.0	6354.0
20	FLUSH JOINT ANCHOR.....	5.750	2.500	20.0	
81	BLANKED-OFF RUNNING CASE.....	5.750		4.0	6377.0
	TOTAL DEPTH				6380.0

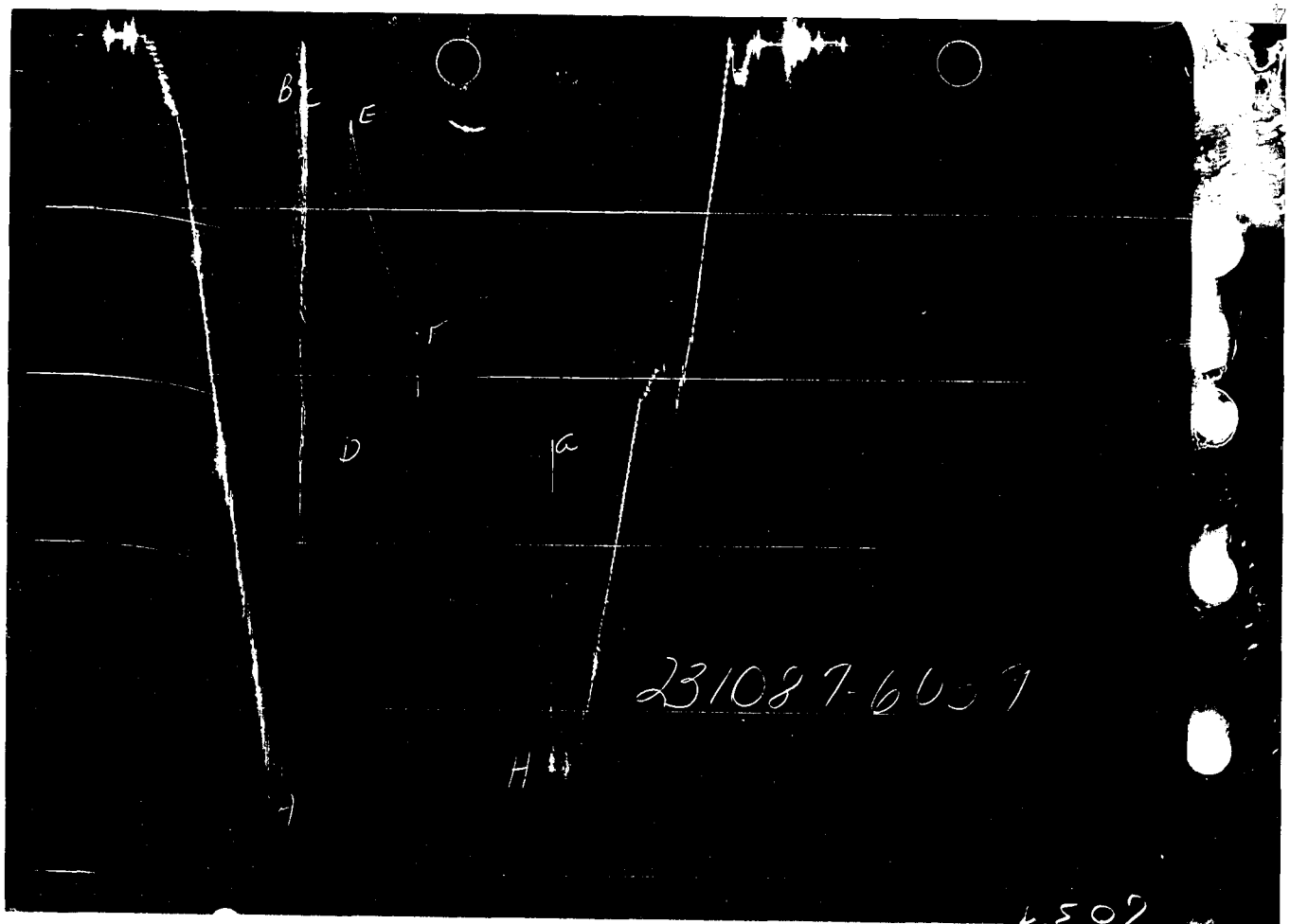
EQUIPMENT DATA

HALLIBURTON
SERVICES

TICKET NO. 23108700
27-SEP-85
FARMINGTON

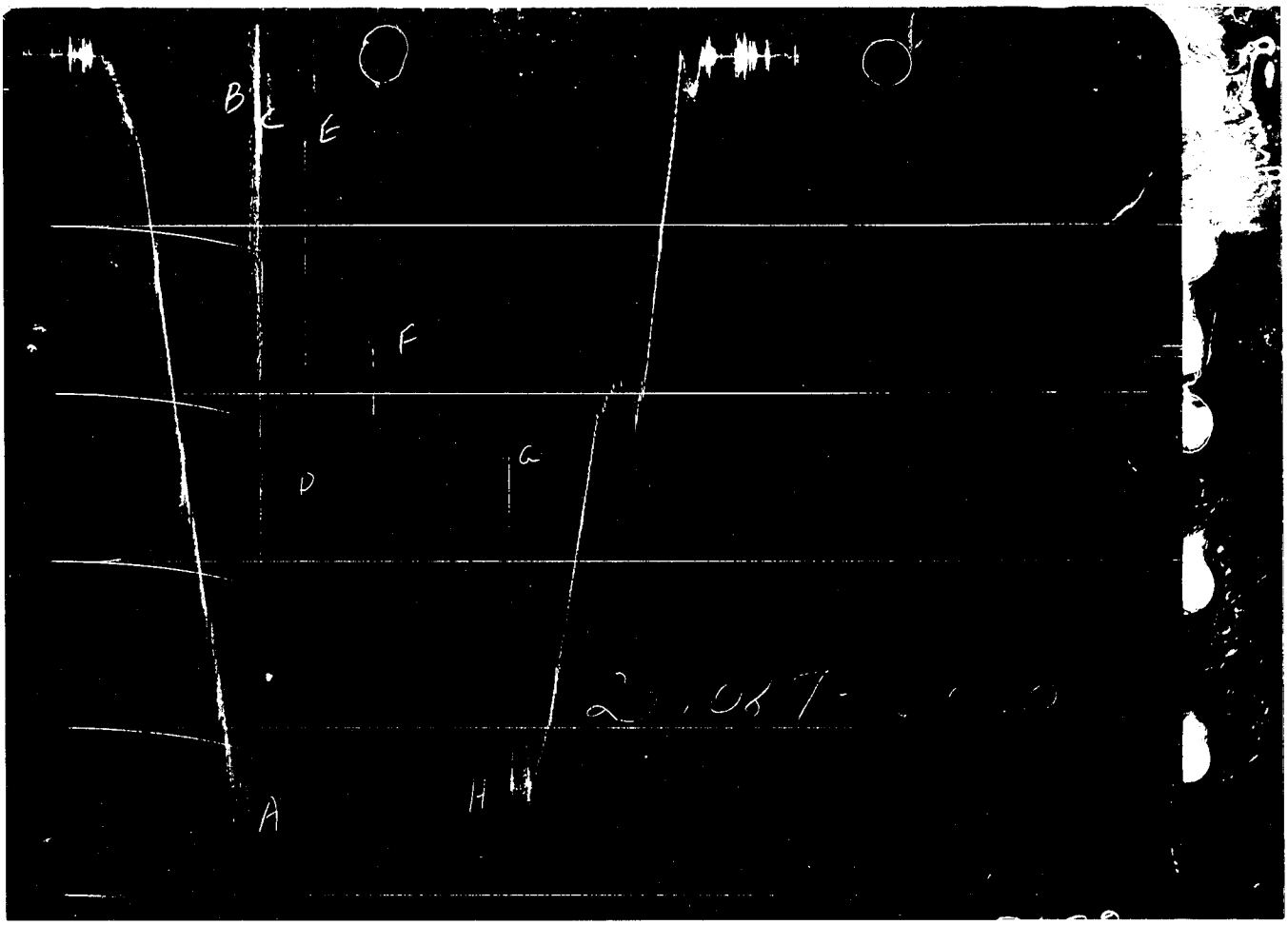
FORMATION TESTING SERVICE REPORT

ZEKES HOLE PROSPECT	STATE 1-2	2	7585.0 - 7606.0		COASTAL OIL AND GAS CORPORATION
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL		LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	COUNTY	STATE		
2-37S-21E	WILDCAT	SAN JUAN	UTAH SM		



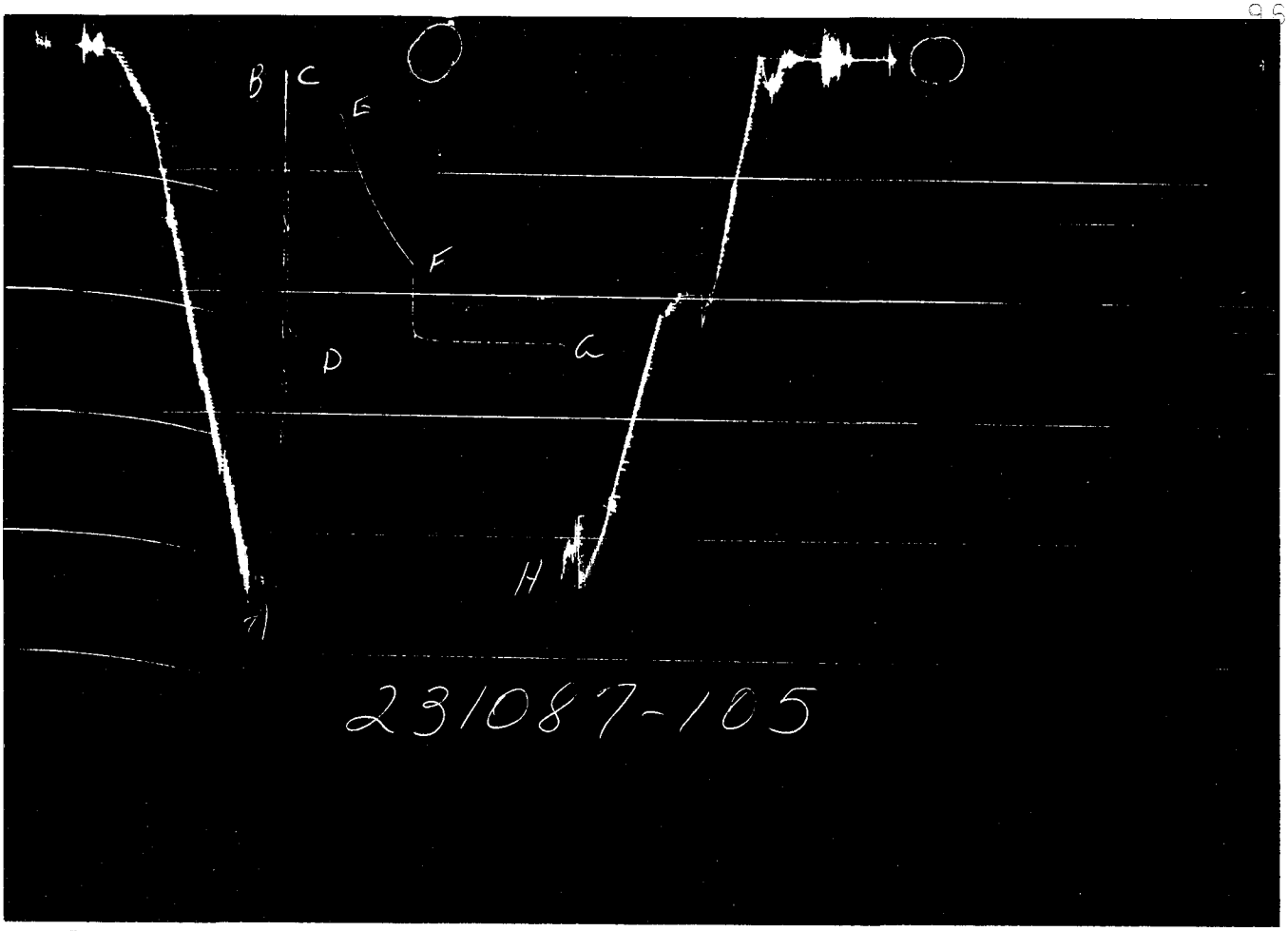
GAUGE NO: 6039 DEPTH: 7558.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	4452	4384.1			
B	INITIAL FIRST FLOW	42	241.2	5.0	4.6	F
C	FINAL FIRST FLOW	483	340.1			
C	INITIAL FIRST CLOSED-IN	483	340.1	60.0	59.3	C
D	FINAL FIRST CLOSED-IN	2369	2375.2			
E	INITIAL SECOND FLOW	469	514.6	90.0	90.7	F
F	FINAL SECOND FLOW	1748	1747.0			
F	INITIAL SECOND CLOSED-IN	1748	1747.0	180.0	180.4	C
G	FINAL SECOND CLOSED-IN	2356	2374.6			
H	FINAL HYDROSTATIC	4357	4374.7			



GAUGE NO: 6040 DEPTH: 7563.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	4429	4392.7			
B	INITIAL FIRST FLOW	324	335.6	5.0	4.6	F
C	FINAL FIRST FLOW	540	444.0			
C	INITIAL FIRST CLOSED-IN	540	444.0	60.0	59.3	C
D	FINAL FIRST CLOSED-IN	2372	2380.1			
E	INITIAL SECOND FLOW	487	498.7	90.0	90.7	F
F	FINAL SECOND FLOW	1752	1750.3			
F	INITIAL SECOND CLOSED-IN	1752	1750.3	180.0	180.4	C
G	FINAL SECOND CLOSED-IN	2358	2379.4			
H	FINAL HYDROSTATIC	4415	4380.3			



GAUGE NO: 105 DEPTH: 7603.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	4473	4416.1			
B	INITIAL FIRST FLOW	190	509.1	5.0	4.6	F
C	FINAL FIRST FLOW	505	520.7			
C	INITIAL FIRST CLOSED-IN	505	520.7	60.0	59.3	C
D	FINAL FIRST CLOSED-IN	2399	2397.9			
E	INITIAL SECOND FLOW	526	532.2	90.0	90.7	F
F	FINAL SECOND FLOW	1746	1763.3			
F	INITIAL SECOND CLOSED-IN	1746	1763.3	180.0	180.4	C
G	FINAL SECOND CLOSED-IN	2399	2397.5			
H	FINAL HYDROSTATIC	4430	4415.3			

EQUIPMENT & HOLE DATA

FORMATION TESTED: SEE REMARKS
NET PAY (ft):
GROSS TESTED FOOTAGE: 21.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 9.875
ELEVATION (ft): 5934.0 G.L. (5947' KB)
TOTAL DEPTH (ft): 7606.0
PACKER DEPTH(S) (ft): 7579, 7585
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 11.20
MUD VISCOSITY (sec): 54
ESTIMATED HOLE TEMP. (°F): 140
ACTUAL HOLE TEMP. (°F): 144 @ 7602.0 ft

TICKET NUMBER: 23108700

DATE: 9-24-85 TEST NO: 2

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: FARMINGTON

TESTER: GENE ROBERTS

WITNESS: CHARLES MOWRY

DRILLING CONTRACTOR: ENERGY SEARCH DRILLING #1

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY		CHLORIDES
PIT SAMPLE	0.062 @	68 °F	172000 ppm
TOP SAMPLE	0.324 @	78 °F	27272 ppm
BOTTOM SAMPLE	0.194 @	77 °F	60606 ppm
SAMPLER	0.173 @	78 °F	27273 ppm
	@	°F	ppm
	@	°F	ppm

SAMPLER DATA

Psig AT SURFACE: 650.0
cu.ft. OF GAS: 0.470
cc OF OIL:
cc OF WATER: 2500.0
cc OF MUD:
TOTAL LIQUID cc: 2500.0

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

3553 FEET (43 BBLS) OF CO2 CUT SALT WATER

MEASURED FROM TESTER VALVE

REMARKS:

FORMATION TESTED: MISSISSIPPIAN LEADVILLE

TYPE & SIZE MEASURING DEVICE: _____ TICKET NO: 23108700

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
9-23-85					
2300					ON LOCATION
9-24-85					
0130					PICKED UP AND MADE UP TOOLS
0246					TRIPPED IN HOLE WITH TOOLS
0617	1/8"BH	4 OZ.			OPENED TOOL WITH WEAK BLOW
					2" IN BUCKET
0619	1/8"	11 OZ			BOTTOM OF BUCKET
0622	1/8"	17.5 OZ			CLOSED TOOL
0722	1/8	4 OZ			OPENED TOOL WITH WEAK BLOW, 3"
					IN BUCKET
0724	1/8	7 OZ			BOTTOM OF BUCKET
0734	1/8	29 OZ			PSI INCREASING
0744	1/8	2.5#			SAME
0754	1/8	4#			SAME
0804	1/8	4.75#			SAME
0814	1/8	5#			PSI STABILIZED
0824	1/8	5#			SAME
0834	1/8	4.75#			PSI DROPPING
0844	1/8	4.25#			SAME
0852	1/8	4#			CLOSED TOOL
1152					OPENED BYPASS AND TRIPPED OUT
					OF HOLE WITH TOOLS
1415					HIT FLUID, DROPPED BAR AND
					REVERSED
1457					FINISHED TRIPPING OUT OF HOLE
					WITH TOOLS
1730					OUT OF HOLE WITH TOOLS
					AND LOADED OUT
1930					JOB COMPLETED

TICKET NO: 23108700

CLOCK NO: 13840 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 6039

DEPTH: 7558.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	241.2			
C	2	4.6	340.1	98.9		
			FIRST CLOSED-IN			
C	1	0.0	340.1			
	2	4.0	2329.7	1989.6	2.1	0.332
	3	8.0	2349.6	2009.5	2.9	0.198
	4	12.0	2358.5	2018.4	3.3	0.141
	5	16.0	2363.5	2023.5	3.6	0.110
	6	20.0	2367.1	2027.0	3.7	0.090
	7	24.0	2369.1	2029.0	3.9	0.076
	8	28.0	2371.2	2031.2	4.0	0.066
	9	32.0	2372.1	2032.0	4.0	0.058
	10	36.0	2372.5	2032.4	4.1	0.052
	11	40.0	2373.3	2033.2	4.1	0.047
	12	44.0	2373.4	2033.3	4.2	0.043
	13	48.0	2375.0	2035.0	4.2	0.040
	14	52.0	2375.0	2035.0	4.2	0.037
	15	56.0	2375.0	2035.0	4.3	0.034
D	16	59.3	2375.2	2035.1	4.3	0.032
			SECOND FLOW			
E	1	0.0	514.6			
	2	15.0	832.3	317.7		
	3	30.0	1090.0	257.7		
	4	45.0	1300.8	210.8		
	5	60.0	1481.4	180.6		
	6	75.0	1630.9	149.6		
F	7	90.7	1747.0	116.1		
			SECOND CLOSED-IN			
F	1	0.0	1747.0			
	2	10.0	2350.5	603.5	9.1	1.021
	3	20.0	2361.6	614.6	16.5	0.762
	4	30.0	2366.2	619.2	22.8	0.621
	5	40.0	2369.1	622.1	28.2	0.529
	6	50.0	2371.1	624.1	32.8	0.463
	7	60.0	2372.5	625.5	36.8	0.413
	8	70.0	2373.0	626.0	40.3	0.373
	9	80.0	2373.4	626.4	43.5	0.341
	10	90.0	2374.0	626.9	46.3	0.314
	11	100.0	2374.8	627.8	48.8	0.291
	12	110.0	2374.8	627.8	51.0	0.271
	13	120.0	2374.8	627.8	53.1	0.254
	14	130.0	2374.8	627.8	55.0	0.239
	15	140.0	2374.8	627.8	56.7	0.225

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			SECOND CLOSED-IN – CONTINUED			
	16	150.0	2374.8	627.8	58.3	0.214
	17	160.0	2374.8	627.8	59.7	0.203
	18	170.0	2374.8	627.8	61.1	0.193
G	19	180.4	2374.6	627.6	62.4	0.184

REMARKS:

TICKET NO: 23108700

CLOCK NO: 7276 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 6040

DEPTH: 7563.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	335.6			
C	2	4.6	444.0	108.4		
			FIRST CLOSED-IN			
C	1	0.0	444.0			
	2	4.0	2305.1	1861.1	2.1	0.333
	3	8.0	2342.2	1898.2	2.9	0.198
	4	12.0	2358.5	1914.5	3.3	0.141
	5	16.0	2365.5	1921.5	3.6	0.110
	6	20.0	2369.4	1925.4	3.7	0.090
	7	24.0	2373.2	1929.2	3.9	0.076
	8	28.0	2374.8	1930.8	4.0	0.066
	9	32.0	2376.6	1932.6	4.0	0.058
	10	36.0	2376.7	1932.7	4.1	0.052
	11	40.0	2377.5	1933.5	4.1	0.047
	12	44.0	2378.8	1934.8	4.2	0.043
	13	48.0	2379.4	1935.4	4.2	0.040
	14	52.0	2380.0	1936.0	4.2	0.037
	15	56.0	2380.0	1936.0	4.3	0.034
D	16	59.3	2380.1	1936.1	4.3	0.032
			SECOND FLOW			
E	1	0.0	498.7			
	2	15.0	784.9	286.2		
	3	30.0	1048.3	263.4		
	4	45.0	1262.4	214.1		
	5	60.0	1448.0	185.6		
	6	75.0	1607.1	159.1		
F	7	90.7	1750.3	143.2		
			SECOND CLOSED-IN			
F	1	0.0	1750.3			
	2	10.0	2351.4	601.1	9.0	1.023
	3	20.0	2364.4	614.1	16.5	0.760
	4	30.0	2370.5	620.2	22.8	0.620
	5	40.0	2373.5	623.2	28.2	0.529
	6	50.0	2375.5	625.2	32.8	0.463
	7	60.0	2375.9	625.6	36.8	0.413
	8	70.0	2377.4	627.1	40.3	0.373
	9	80.0	2377.4	627.1	43.5	0.341
	10	90.0	2378.1	627.8	46.3	0.314
	11	100.0	2378.9	628.6	48.8	0.291
	12	110.0	2379.3	629.0	51.1	0.271
	13	120.0	2379.3	629.0	53.1	0.254
	14	130.0	2379.3	629.0	55.0	0.239
	15	140.0	2379.3	629.0	56.7	0.226

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
		SECOND CLOSED-IN - CONTINUED				
	16	150.0	2379.3	629.0	58.3	0.214
	17	160.0	2379.3	629.0	59.7	0.203
	18	170.0	2379.3	629.0	61.1	0.193
G	19	180.4	2379.4	629.2	62.4	0.184

REMARKS:

TICKET NO: 23108700

CLOCK NO: 13741 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 105

DEPTH: 7603.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
		FIRST FLOW				
B	1	0.0	509.1			
	2	1.0	512.9	3.8		
	3	2.0	515.2	2.3		
	4	3.0	517.7	2.5		
	5	4.0	518.6	0.8		
C	6	4.6	520.7	2.1		
		FIRST CLOSED-IN				
C	1	0.0	520.7			
	2	4.0	2318.3	1797.6	2.1	0.331
	3	8.0	2356.3	1835.7	2.9	0.198
	4	12.0	2373.8	1853.2	3.3	0.141
	5	16.0	2382.7	1862.1	3.6	0.110
	6	20.0	2388.2	1867.6	3.7	0.090
	7	24.0	2391.0	1870.3	3.9	0.076
	8	28.0	2393.3	1872.6	4.0	0.066
	9	32.0	2395.4	1874.7	4.0	0.058
	10	36.0	2396.7	1876.0	4.1	0.052
	11	40.0	2398.6	1877.9	4.1	0.047
	12	44.0	2398.6	1877.9	4.2	0.043
	13	48.0	2398.6	1877.9	4.2	0.040
	14	52.0	2398.6	1877.9	4.2	0.037
	15	56.0	2398.6	1877.9	4.3	0.034
D	16	59.3	2397.9	1877.3	4.3	0.032
		SECOND FLOW				
E	1	0.0	532.2			
	2	15.0	806.4	274.2		
	3	30.0	1074.6	268.2		
	4	45.0	1292.7	218.1		
	5	60.0	1472.6	179.9		
	6	75.0	1628.2	155.7		
F	7	90.7	1763.3	135.0		
		SECOND CLOSED-IN				
F	1	0.0	1763.3			
	2	10.0	2367.9	604.6	9.0	1.023
	3	20.0	2382.7	619.4	16.5	0.761
	4	30.0	2389.1	625.8	22.8	0.621
	5	40.0	2393.1	629.8	28.2	0.529
	6	50.0	2395.2	631.9	32.8	0.463
	7	60.0	2395.6	632.3	36.8	0.413
	8	70.0	2396.5	633.2	40.4	0.373
	9	80.0	2396.5	633.2	43.5	0.341
	10	90.0	2397.5	634.2	46.3	0.314
	11	100.0	2397.5	634.2	48.8	0.291

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
		SECOND CLOSED-IN - CONTINUED				
	12	110.0	2397.5	634.2	51.1	0.271
	13	120.0	2397.5	634.2	53.1	0.254
	14	130.0	2397.7	634.4	55.0	0.239
	15	140.0	2397.7	634.4	56.7	0.225
	16	150.0	2398.6	635.3	58.3	0.214
	17	160.0	2398.6	635.3	59.7	0.203
	18	170.0	2398.6	635.3	61.1	0.193
G	19	180.4	2397.5	634.2	62.4	0.184

REMARKS:

TICKET NO. 23108700

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	4.500	3.826	6796.0	
3	DRILL COLLARS.....	6.250	2.250	567.0	
3	DRILL COLLARS.....	7.000	2.250	121.0	
50	IMPACT REVERSING SUB.....	6.000	3.000	1.0	7484.0
3	DRILL COLLARS.....	7.000	2.250	60.0	
13	DUAL CIP SAMPLER.....	5.030	0.750	7.0	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	7556.0
80	AP RUNNING CASE.....	5.000	2.250	5.0	7558.0
80	AP RUNNING CASE.....	5.000	2.250	5.0	7563.0
15	JAR.....	5.030	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	3.0	
70	OPEN HOLE PACKER.....	8.750	1.530	6.0	7579.0
70	OPEN HOLE PACKER.....	8.750	1.530	6.0	7585.0
20	FLUSH JOINT ANCHOR.....	5.750	3.000	15.0	
81	BLANKED-OFF RUNNING CASE.....	5.750		4.0	7603.0
	TOTAL DEPTH				7606.0

EQUIPMENT DATA

EQUATIONS FOR DST LIQUID WELL ANALYSIS

Transmissibility	$\frac{kh}{\mu} = \frac{162.6\ QB}{m}$	$\frac{\text{md-ft}}{\text{cp}}$
Indicated Flow Capacity	$kh = \frac{kh}{\mu}\,\mu$	md-ft
Average Effective Permeability	$k = \frac{kh}{h}$	md
Skin Factor	$S = 1.151\left[\frac{P^* - P_f}{m} - \text{LOG}\left(\frac{k(t/60}{\phi\ \mu\ c_t r_w^2}\right) + 3.23\right]$	—
Damage Ratio	$DR = \frac{P^* - P_f}{P^* - P_f - 0.87\ mS}$	—
Theoretical Potential w / Damage Removed	$Q_1 = Q\ DR$	BPD
Approx. Radius of Investigation	$r_i = 0.032\sqrt{\frac{k(t/60)}{\phi\mu c_t}}$	ft

EQUATIONS FOR DST GAS WELL ANALYSIS

Indicated Flow Capacity	$kh = \frac{1637\ Q_g\ T}{m}$	md-ft
Average Effective Permeability	$k = \frac{kh}{h}$	md
Skin Factor	$S = 1.151\left[\frac{m(P^*) - m(P_f)}{m} - \text{LOG}\left(\frac{k(t/60)}{\phi\ \mu\ c_t r_w^2}\right) + 3.23\right]$	—
Damage Ratio	$DR = \frac{m(P^*) - m(P_f)}{m(P^*) - m(P_f) - 0.87\ mS}$	—
Indicated Flow Rate (Maximum)	$AOF_1 = \frac{Q_g\ m(P^*)}{m(P^*) - m(P_f)}$	MCFD
Indicated Flow Rate (Minimum)	$AOF_2 = Q_g\sqrt{\frac{m(P^*)}{m(P^*) - m(P_f)}}$	MCFD
Approx. Radius of Investigation	$r_i = 0.032\sqrt{\frac{k(t/60)}{\phi\mu c_t}}$	ft

Form OGC-1b

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface 705.8' FNL, 2026.2' FEL
NW NE

5. LEASE DESIGNATION AND SERIAL NO.
ML-38397

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
State 1-2

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 2-T37S-R21E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO.
43-037-31185

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5930.6'

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) Monthly Activity Report			[X]
(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.) *

Please refer to attached copy of chronological history for month of September 1985.

RECEIVED
OCT 07 1985
DIVISION OF OIL
GAS & MINING

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

SIGNED H. E. Aab TITLE District Drilling Manager
Denver District DATE October 1, 1985

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

COGC #1-2 STATE
ZEKE'S HOLE
SAN JUAN COUNTY, UTAH
CONTR: ENERGY SEARCH #1/
WI: COGC 100%; AFE:
ATD: 8400'; SD: 8-28-85
CSG: 16" @ 60', 10 3/4" @ 2298'

LOCATION: 705.8' FNL, 2026.2' FEL
NW NE Section 2-T37S-R21E GR5930.6' ungrd

9-26-85 7744' (121'-14¼ hr) Mxg md. DP stuck, pull 10 stds, lost circ. mx md & LCM, pmp 750 BM in hole, 20% LCM. Mx md & work stuck pipe @ 7144'. Lost approx 700 BM OOH, 750 bbl OOpit. MW 10.4, Vis 48.

9-27-85 7744' TOH. Mx & pmp md, no ret. Pmp 300 bbl. Mx & pmp 400 BM, no ret. Pmp 123 bbl frsh wtr dn DP, pipe would not stay full. Pmp 45 bbl frsh wtr dn annulus, hole stayed full. Ran free pt, 80% free @ shock sub @ 7125'. Run back off shot, backed off @ 7091', pld free. TOH. String wet @ 2600'. 25 DC, 750' pkd solid w/fn to coarse sh ctgs. Left bit, shock sub & 1 7" DC in hole. T/fish @ 7091'. MW 10.1, Vis 33

9-28-85 7744' wash & ream @ 7350'. Fin TOH. LD plgd DC. PU DC & TIH to 2298'. Circ & cond md. TIH 30 stds, circ & cond. TIH 30 stds, circ & cond. Pmp 123 BFW OOH to pit. TIH 8 stds, 1st bridge at 6567', wash & ream to 7350'. MW 10.2, Vis 45, WL 19.8

9-29-85 7744' Running EL. Wash & ream to fish at 7704'. Run EL, logging stopped, tl @ 7680'. Ran Sonic, GR, Calip. MW 10.2, Vis 40, WL 22.4

9-30-85 7744' TIH after logging. Ran EL, Long Spaced Sonic 7680-2298', Litho-Den-CNL 7680-2298'; Dipmeter 7680-4900', Cyberlook 7680-6000'. MW 10.4, Vis 44, WL 19.2

COGC #1-2 STATE
ZEKE'S HOLE
SAN JUAN COUNTY, UTAH
CONTR: ENERGY SEARCH #1/
WI: COGC 100%; AFE:
ATD: 8400'; SD: 8-28-85
CSG: 16" @ 60', 10 3/4"
@ 2298'

LOCATION: 705.8' FNL, 2026.2' FEL
NW NE Section 2-T37S-R21E GR5930.6' ungrd

9-14-85 6293' (142'-13¼ hr) mxg salt md. Drl. Dump & cln pits. Fill pits w/brine. Drlg brk: 6265-69'; MPF 6½-4-7; gas 7-70-7: Desert Crk, dolo, no fluor, sl cut. MW 10.1, Vis 31, WL 6.8

9-15-85 6378' (85'-7 hr) circ for DST #1, Desert Crk. Mx brine md. displace hole w/brine md. Drlg brk: 6356-70'; MPF 5-1/2-6; Gas: 2-710-10; 100% dolo, Desert Crk, 15-20% por, 60% fluor, strmg, milky, bright yel cut. Correct Tops: U/Ismay 6058', Desert Crk 6264'. MW 10.0, Vis 40, WL 6.8

9-16-85 6380' Rep to cat head. TOOH, SLM, 2' correc fr 6378' to 6380'. DST #1 6354-6380', Desert Crk, see attachment. MW 10.1, Vis 39, WL 7.0

9-17-85 6665' (285'-20½ hr) drlg. 60% salt, 30% anhy, 10% sh. T/Salt 6445'. Svy: 1° @ 6642'. MW 10.4, Vis 38, WL 8.8.

9-18-85 6986' (321'-22 hr) drlg. 50% salt, 40% sh, 10% anhy. BGG 7. Svy: ¼° @ 6802'. MW 10.9, Vis 38, WL 7.8

9-19-85 7128' (142'-22 3/4 hr) drlg. 40% anhy, 20% salt, 40% dolo. T/ Pinkerton Trail 7010'. BGG 5, tr CO_2. Svy: 1° @ 7072'. MW 10.8, Vis 38, WL 12.8

9-20-85 7189' (61'-11 hr) drlg. TOH, chk DC, chng out drl line. 60% dolo, 30% sh, 10% anhy. Show: 7125-29'; MPF 7-7-7; Gas: 6-9-6; 100% dolo, dull yel fluor, sm cut. Svy: 1° @ 7155'. MW 10.7, Vis 44, WL 16.8

9-21-85 7329' (140'-23½ hr) drlg. 50% lmst, 30% dolo, 10% anhyd, 10% sh. BGG 7. MW 10.9, Vis 43

9-22-85 7460' (134'-23½ hr) drlg. 60% sh, 10% chert, 30% lmst. MW 10.9, Vis 44, WL 10.6

9-23-85 7582' (122'-21¼ hr) drlg. 100% lmst. BGG 2, 100 ppm CO_2. T/ Miss Leadville 7455'. Drlg Brk: 7557-59', MPF 10-5½-10½; Gas: 2-2-2. NS. MW 10.9, Vis 46, WL 9.8

9-24-85 7606' (24'-3 hr) tstg DST #2 7585-7606', Leadville. 200% dolo. BGG 1. Drlg Brk: 7590-7606', MPF 9-4½-10, Gas: 1-1-1
CO_2 100-300-175
Mod yel blue fluor, fnt diffuse cut, vuggy por w/oil stn. See attachment for DST #2. Svy: 1° @ 7606'. MW 11.2, Vis 54, WL 10.

9-25-85 7623' (17'-4 hr) drlg. Fin DST #2. See attachment for results. TIH. Attempt to brk circ, lost ret. Lost 350 BM in Leadville. TOOH w/3 stds. Mx pill & brk circ. MW 10.9, Vix 42, WL 12.4

COGC #1-2 STATE
ZEKE'S HOLE
SAN JUAN COUNTY, UTAH
CONTR: ENERGY SEARCH #1/
WI: COGC 100%; AFE:
ATD: 8400'; SD: 8-28-85
CSG: 16" @ 60', 10 3/4" @ 2298'

LOCATION: 705.8' FNL, 2020.2' FEL
NW NE Section 2-T37S-R21E GR5930.6' ungrd

8-31-85 2298' (36'-1 hr) Prep to tst csghd. Ran 55 jt 10 3/4", land @ 2298'. Cmt w/1150 sx lite +200 sx Cl "B" +2% $CaCl_2$. Circ 60 BM to surf. PD @ 5:30 PM. Top job w/100 sx Cl "B" +3% CaCl. Cmt on initial job fell back. Install head. MW 8.9, Vis 30.

9-1-85 2465' (167'-5 hr) drlg. Tst head. NU BOPs, tst. Cmt fell on backside. Cmt w/75 sx Cl "B" +3% CaCl. Cmt fell 135'. Re-drill mouse hole. Drlg FC, cm, shoe. MW 8.7, Vis 29, WL 12.4

9-2-85 3175' (710'-23¼ hr) drlg. T/Dechelly @ 2950'. Svy: 1½° @ 2259'. MW 9.4, Vis 43, WL 9.2

9-3-85 3638' (463'-23¼ hr) drlg. Svy: 3/4° @ 3427'. MW 9.3, Vis 38, WL 10.6

9-4-85 3940' (302'-17 hr) drlg. Svy: 3/4° @ 3912'. MW 9.4, Vis 47, WL 13.

9-5-85 4312' (372'-23¼ hr) drlg. MW 9.2, Vis 37, WL 12.6

9-6-85 4576' (264'-23 hr) drlg. Svy: 1° @ 4454'. MW 9.0, Vis 38, WL 9.2

9-7-85 4787' (211'-16½ hr) drlg. Md Logger on at 4650'. MW 9.4, Vis 37, WL 10

9-8-85 5109' (322'-23 hr) Drlg. T/Hermosa 4960'. 50% lmst, 50% sh. No BGG. Svy: 1 3/4° @ 4935'. MW 9.3, Vis 38, WL 10.

9-9-85 5352' (243'-23½ hr) drlg. 90% lmst, 10% anhydrite, tr chert. BGG 1. Elev: Wellhd 5934.13', floor 5946.60'. MW 9.3, Vis 42, WL 10.4

9-10-85 5607' (255'-23 hr) drlg. 100% lmst. BGG 1. Svy: 1½° @ 5436'. MW 9.4, Vis 39, WL 8

9-11-85 5757' (150'-16 3/4 hr) drlg. TOHFNB @ 5659'. 80% lmst, 10% sh, 10% chert. BGG 2. Svy: 1¼° @ 5659'. MW 9.5, Vis 37, WL 8.8

9-12-85 6010' (253'-23¼ hr) drlg. T/Ismay @ 5884',NS, 256' high. 100% lmst. BGG 1. MW 9.5, Vis 40, WL 7.4

9-13-85 6151' (141'-17½ hr) drlg. Drlg Brk 6126-44', MPF 5-2-3-, Gas 2-7-3. L/Ismay; sdy lmst, min fluor, no cut or stn. 100% lmst. Svy: 1¼° @ 6087'. MW 9.6, Vis 40, WL 8.

IGT

COASTAL OIL & GAS CORP.
COGC #1-2 STATE
SEC. 2-T37S-R21E
SAN JUAN COUNTY, UTAH

INTERMOUNTAIN GEO-TECH, INC.
P. O. BOX 158
DELTA, COLORADO 81416
303-874-7762

COASTAL OIL & GAS CORP.
COGC #1-2 STATE
SEC. 2-T37S-R21E
SAN JUAN COUNTY, UTAH

TABLE OF CONTENTS

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3.	DEVIATION SHEET	3
4.	DST AND SHOW SHEETS	4-10

(1) COPY FINAL MUDLOG (5"=100')
(1) COPY FINAL MUDLOG (2.5"=100')

DRILLING CONTRACTOR: ENERGY SEARCH RIG #1
FARMINGTON, NEW MEXICO

DRILLING FOREMAN: MR. CHUCK MOWRY

PUSHER: MR. DAVID JOHN

GEO TECHNOLOGISTS: MR. JUSTIN ARO - MR. DOUG REDMOND
INTERMOUNTAIN GEO-TECH, INC.
P. O. BOX 158
DELTA, COLORADO 81416

DRILLING FLUID: MR. DWAIN HUSSEY
MR. PEN PENFIELD
BAROID
MONTICELLO, UTAH

DRILL STEM TESTS: MR. DAN AULD
MR. GENE ROBERTS
HALIBURTON
FARMINGTON, NEW MEXICO

WIRE LINE LOGS: MR. TOM WEAVER
SCHLUMBERGER WELL SERVICES
FARMINGTON, NEW MEXICO

GEOLOGIST: MR. NICK LARKIN
INTERMOUNTAIN GEO-TECH, INC.
P. O. BOX 158
DELTA, CO 81416

COASTAL OIL & GAS CORP.
COGC #1-2 STATE
SEC. 2-T37S-R21E
SAN JUAN COUNTY, UTAH

SUMMARY OF DAILY ACTIVITY

DATE	ACTIVITY	MIDNITE DEPTH	24 HOUR FOOTAGE
9/05/85	IGT UNIT #1 ON LOCATION, RIGGED UP	--	--
9/06/85	DRLG, START LOGGING 4650', TOH NB#4, SURV, TIH DRLG	--	--
9/07/85	DRLG, SURV, DRLG	4703'	338'
9/08/85	DRLG	5041'	257'
9/09/85	DRLG	5298'	253'
9/10/85	DRLG, TRIP FOR BIT, DRLG, SURV	5551'	142'
9/11/85	DRLG	5693'	245'
9/12/85	DRLG, TRIP FOR BIT, DRLG	5958'	136'
9/13/85	DRLG, CIRC, TRIP TO CHANGEOVER MUD	6094'	200'
9/14/85	CHANGE TO SALT MUD, TRIP IN, DRLG	6294'	86'
9/15/85	DRLG, CIRC FOR DST, TOH, PICK UP TOOL, TIH TEST, TOH	6380'	0
9/16/85	TOH, LAY DOWN TOOL, TIH, DRLG, SURV, DRLG	6380'	215'
9/17/85	DRLG, SURV	6595'	286'
9/18/85	DRLG, SURV	6881'	215'
9/19/85	DRLG, TOH FOR BIT	7096'	84'
9/20/85	TIH, DRLG	7178'	117'
9/21/85	DRLG, CIRC OUT SPLS	7295'	137'
9/22/85	DRLG,CIRC OUT	7432'	127'
9/23/85	DRLG, CIRC OUT, TOH, TIH CIRC OUT, TOH	7559'	47'
9/24/85	DST #2, TIH TO DRILL, LOST CIRC	7606'	0
9/25/85	DRLG,CIRC OUT SPLS, DRLG, LOST CIRC	7606'	138'
9/26/85	STUCK, LOST CIRC	7744'	0
9/27/85	MIXED MUD, FREE POINT FISH	7744'	0
8/28/85	TIH, COND HOLE FOR "E" LOGS	7744'	0
8/29/85	LOGGING	7744'	0
8/30/85	LOGGING, IGT UNIT #1 RELEASED	7744'	0

COASTAL OIL & GAS CORP.
COGC #1-2 STATE
SEC. 2-T37S-R21E
SAN JUAN COUNTY, UTAH

BIT RECORD

BIT	MAKE	SIZE	TYPE	DEPTH OUT	FOOTAGE USED	HOURS
1	SEC	14¾"	S84F	2298'	2225'	32¼
2	SMITH	9 7/8"	F2	3912'	1614'	65¾
3	SEC	9 7/8"	S86F	4576'	664'	48¾
4	HTC	9 7/8"	J33	5659'	1083'	93½
5	HTC	9 7/8"	J33	6087'	428'	43¼
6	STC	9 7/8"	F-3	7178'	1091'	100
7	STC	9 7/8"	F-3	7606'	428'	73¾
8	HTC	9 7/8"	J-33	7744'	138'	18¼

COASTAL OIL & GAS CORP.
COGC #1-2 STATE
SEC. 2-T37S-R21E
SAN JUAN COUNTY, UTAH

DEVIATION SHEET FOR WELL. . . .

DEPTH	DEVIATION (DEV)
567'	½°
1106'	1°
1624'	1½°
2114'	1½°
2757'	1½°
3427'	¾°
3912'	¾°
4454'	1°
4975'	1¾°
5436'	1½°
5659'	1¼°
6087'	1¼°
6548'	1°
6642'	1°
6852'	¼°
7022'	1°
7155'	1°
7606'	1°

(IGT)
DST & SHOW SHEET

SHOW # 1 FROM 6126 ' TO 6144 ' DATE 9/13/85

COMPANY COASTAL OIL & GAS CORP.
WELL COGC #1-2 STATE
FIELD WILDCAT

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	5-6 min/ft	1.5-2 min/ft	5.5 min/ft
TOTAL GAS UNITS	2 Units	7 Units	3 Units
METHANE %	.04%	.18%	.05%
ETHANE %	.01%	.03%	.01%
PROPANE %	tr	.01%	tr
BUTANE (ISO) %	ø	ø	ø
BUTANE (NOR) %	ø	ø	ø
PENTANE %	ø	ø	ø

SAMPLE LITHOLOGY LS-MED-PRED DKGY BRN MICXL SL-M ARG TR ORG MAT OCC DOL DNS
M-VFM BCMG LT-MGY BRN CLN DNS
SAMPLE FLOR AND CUT NONE

DST # _____ FROM _____ ' TO _____ ' DATE _____

	MINUTES	TOP CHART	BOTTOM CHART
INITIAL HYDROSTATIC			
INITIAL OPEN			
INITIAL SHUT-IN			
SECOND OPEN			
SECOND SHUT-IN			
FINAL HYDROSTATIC			
1ST FLOW			
2ND FLOW			

REMARKS BHT °

DRILL PIPE RECOVERY
SAMPLE CHAMBER RECOVERY
DRILL PIPE- TOP- R/W= at °F, MIDDLE-R/W= at °F,
DRILL PIPE- BOTTOM-R/W= at °F, SAMPLE CHMBR.- R/W= at °F,
PIT MUD-R/W= at °F

GEO-TECH Justin Aro

(IGT)
DST & SHOW SHEET

SHOW # 2 FROM 6219 ' TO 6231 ' DATE 9/13/85

COMPANY COASTAL OIL & GAS CORP.
WELL COGC #1-2 STATE
FIELD WILDCAT

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	6.5 min/ft	2.5 min/ft	6.5 min/ft
TOTAL GAS UNITS	2 Units	22 Units	7 Units
METHANE %	tr	.35%	.07%
ETHANE %	tr	.05%	tr
PROPANE %		.03%	
BUTANE (ISO) %		tr	
BUTANE (NOR) %			
PENTANE %			

SAMPLE LITHOLOGY DOL LT-MGY MBRN CRPXL VF MIC ANHY FIL ARG & EARTHY IP PYR OCC SUC APP SL FRI FRM MHD HD

SAMPLE FLOR AND CUT NONE OTHER THAN TR OF MINERAL FLOR

DST # _____ FROM _____ ' TO _____ ' DATE _____

	MINUTES	TOP CHART	BOTTOM CHART
INITIAL HYDROSTATIC			
INITIAL OPEN			
INITIAL SHUT-IN			
SECOND OPEN			
SECOND SHUT-IN			
FINAL HYDROSTATIC			
1ST FLOW			
2ND FLOW			

REMARKS BHT °

DRILL PIPE RECOVERY

SAMPLE CHAMBER RECOVERY

DRILL PIPE- TOP- R/W= at °F, MIDDLE-R/W= at °F,

DRILL PIPE- BOTTOM-R/W= at °F, SAMPLE CHMBR.- R/W= at °F,

PIT MUD-R/W= at °F

GEO-TECH Doug Redmond

(IGT)
DST & SHOW SHEET

SHOW # 3 FROM 6265 ' TO 6269 ' DATE 9/13/85

COMPANY COASTAL OIL & GAS CORP.
WELL COGC #1-2 STATE
FIELD WILDCAT

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	6.5 min/ft	4 min/ft	7 min/ft
TOTAL GAS UNITS	7 Units	70 Units	10 Units
METHANE %	.02%	.75%	.03%
ETHANE %	tr	.19%	.02%
PROPANE %		.11%	tr
BUTANE (ISO) %		.01%	
BUTANE (NOR) %		.02%	
PENTANE %			

SAMPLE LITHOLOGY DOL MBRN MGY VF-FMIC SUC FRI FRM NO VIS Ø HOWEVER PROBABLE INTGRAN OR INTXL Ø IS PRESENT 5-8%

SAMPLE FLOR AND CUT NO FLOR, DIFFUSE YEL RING CUT MOD FAST

DST # _____ FROM _____ ' TO _____ ' DATE _____

	MINUTES	TOP CHART	BOTTOM CHART
INITIAL HYDROSTATIC			
INITIAL OPEN			
INITIAL SHUT-IN			
SECOND OPEN			
SECOND SHUT-IN			
FINAL HYDROSTATIC			
1ST FLOW			
2ND FLOW			

REMARKS BHT °

DRILL PIPE RECOVERY

SAMPLE CHAMBER RECOVERY

DRILL PIPE- TOP- R/W= at °F, MIDDLE-R/W= at °F,

DRILL PIPE- BOTTOM-R/W= at °F, SAMPLE CHMBR.- R/W= at °F,

PIT MUD-R/W= at °F

GEO-TECH Doug Redmond

(IGT)
DST & SHOW SHEET

SHOW # 4 FROM 6355 ' TO 6370 ' DATE 9/15/85

COMPANY COASTAL OIL & GAS CORP.
WELL COGC #1-2 STATE
FIELD WILDCAT

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	5 min/ft	5-2 min/ft	6 min/ft
TOTAL GAS UNITS	2 Units	710+ Saturated	10 Units
METHANE %	.02%	.49%	.12%
ETHANE %	tr	1.1%	.04%
PROPANE %		.49%	.03%
BUTANE (ISO) %		.15%	.01%
BUTANE (NOR) %		.13%	.01%
PENTANE %			

SAMPLE LITHOLOGY DOL-TAN-MBRN LTGY CRPXL-VFXL SUC SDY IP TR ALGAL APP V FRI-FRM F VIS INTXL Ø & P-P VUG Ø

SAMPLE FLOR AND CUT BRI YEL-BL FLOR(60% of SPL) BRI YEL MKY-STMG CUT

DST # 1 FROM 6354 ' TO 6370 ' DATE 9/16/85

	MINUTES	TOP CHART	BOTTOM CHART
INITIAL HYDROSTATIC			3438
INITIAL OPEN	5		107-107
INITIAL SHUT-IN	85		2585
SECOND OPEN	90		174-617
SECOND SHUT-IN	183		2437
FINAL HYDROSTATIC			3383

1ST FLOW OPEN W/3" BLO INCR TO 14.5 OZ IN 5 MIN

2ND FLOW OPEN W/2OZ BLO INCR TO 7 OZ IN 25 MIN, 8.25 OZ IN 75 MIN

REMARKS BHT° 122F

DRILL PIPE RECOVERY 1125' salt water

SAMPLE CHAMBER RECOVERY 1900 cc water .162 cfg @ 163 psi

DRILL PIPE- TOP- R/W= at °F, .091 @ 74° F MIDDLE-R/W= at °F, .088 @ 78° F

DRILL PIPE- BOTTOM-R/W= at °F, SAMPLE CHMBR- R/W= .089 at °F, 65° F

PIT MUD-R/W= at °F .090 @ 60° F

GEO-TECH Justin Aro

(IGT)
DST & SHOW SHEET

SHOW # 5 FROM 7576 ' TO 7578 ' DATE 9/22/85

COMPANY COASTAL OIL & GAS CORP.
WELL COGC #1-2 STATE
FIELD WILDCAT

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	10-12 min/ft	7 min/ft	10-11 min/ft
TOTAL GAS UNITS	2 Units	3 Units	2 Units
METHANE %	.02%	.03%	.02%
ETHANE %	.005%	.01%	.005%
PROPANE %	tr	.005%	tr
BUTANE (ISO) %			
BUTANE (NOR) %			
PENTANE %			

SAMPLE LITHOLOGY DOL-TAN-BRN VFXL OCC MIC SUC CLN SL LMY TR INTXL & P-P VUG Ø SPTY

SAMPLE FLOR AND CUT SPTY BRI YEL FLOR TAN-BRN O STN GD STMG CUT

DST # _____ FROM _____ ' TO _____ ' DATE _____

	MINUTES	TOP CHART	BOTTOM CHART
INITIAL HYDROSTATIC			
INITIAL OPEN			
INITIAL SHUT-IN			
SECOND OPEN			
SECOND SHUT-IN			
FINAL HYDROSTATIC			
1ST FLOW			
2ND FLOW			

REMARKS BHT °

DRILL PIPE RECOVERY

SAMPLE CHAMBER RECOVERY

DRILL PIPE- TOP- R/W= at °F, MIDDLE-R/W= at °F,

DRILL PIPE- BOTTOM-R/W= at °F, SAMPLE CHMBR.- R/W= at °F,

PIT MUD-R/W= at °F

GEO-TECH Justin Aro

(IGT)
DST & SHOW SHEET

SHOW # 6 FROM 7590 ' TO 7606 ' DATE 9/23/85

COMPANY COASTAL OIL & GAS CORP.
WELL COGC #1-2 STATE
FIELD WILDCAT

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	10 min/ft	4.5 min/ft	11 min/ft
TOTAL GAS UNITS	1 Unit	-3 Units	1 Unit
METHANE %	.01%	.02%	.01%
ETHANE %	tr	.01%	tr
PROPANE %		.005%	
BUTANE (ISO) %			
BUTANE (NOR) %	Note: Hot wire readings suppressed by CO_2		
PENTANE %			

SAMPLE LITHOLOGY DOL-MGY-BRN VF-FMICXL MIC SUC OCC TR ANHY VUG & FRAC FIL SL FRI FRM PP VUG Ø TR DK DD ASPH STN SM LT BRN STN IN VUGS

SAMPLE FLOR AND CUT SPTY DULL YEL-BL FLOR (20% of SPL)

DST # 2 FROM 7585 ' TO 7606 ' DATE 9/24/85

	MINUTES	TOP CHART	BOTTOM CHART
INITIAL HYDROSTATIC		4452	4473
INITIAL OPEN	5	429-483	189-505
INITIAL SHUT-IN	60	2369	2399
SECOND OPEN	90	469-1748	526-1746
SECOND SHUT-IN	180	2356	2399
FINAL HYDROSTATIC		4357	4430

1ST FLOW OPEN W/ 2" BLOW, INCR RAPIDLY TO 17.5 oz.

2ND FLOW OPEN W/ 2" BLOW, INCR RAPIDLY TO 11b. IN 5min.,4 lb. @ 32 min.,

REMARKS 5 lb. @ 52 min., DECR TO 4 lb. @ 90 min. BHT° 144°F

DRILL PIPE RECOVERY 3552' (43 bbl) SALT WATER

SAMPLE CHAMBER RECOVERY 2500cc SALT WATER, .47 ft^3 GAS @ 650 psi

DRILL PIPE- TOP- R/W= at °F, .324 @78°F MIDDLE-R/W= at °F,

DRILL PIPE- BOTTOM-R/W= at °F, .194 @ 77°F SAMPLE CHMBR.- R/W= at °F, 73@78°F

PIT MUD-R/W= at °F

GEO-TECH Doug Redmond

(IGT)
DST & SHOW SHEET

SHOW # 7 FROM 7645 ' TO 7672 ' DATE 9/25/85

COMPANY COASTAL OIL & GAS CORP.
WELL COGC #1-2 STATE
FIELD WILDCAT

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	10-11 min/ft	6-4.5-6 min/ft	10-11 min/ft
TOTAL GAS UNITS	½ Unit	3 Units	2 Units
METHANE %	tr	.03%	.02%
ETHANE %		.01%	tr
PROPANE %		tr	
BUTANE (ISO) %			
BUTANE (NOR) %			
PENTANE %			

SAMPLE LITHOLOGY DOL-TAN MIC-VFXL CLN DNS-TR INTXL Ø (10% of SPL)

SAMPLE FLOR AND CUT SCAT WK YEL FLOR SLO STMG-MKY CUT IP OCC TAN STN

DST # _____ FROM _____ ' TO _____ ' DATE _____

	MINUTES	TOP CHART	BOTTOM CHART
INITIAL HYDROSTATIC			
INITIAL OPEN			
INITIAL SHUT-IN			
SECOND OPEN			
SECOND SHUT-IN			
FINAL HYDROSTATIC			
1ST FLOW			
2ND FLOW			

REMARKS BHT °

DRILL PIPE RECOVERY

SAMPLE CHAMBER RECOVERY

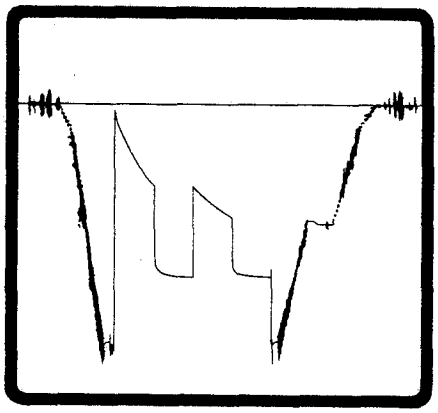
DRILL PIPE- TOP- R/W= at °F, MIDDLE-R/W= at °F,

DRILL PIPE- BOTTOM-R/W= at °F, SAMPLE CHMBR.- R/W= at °F,

PIT MUD-R/W= at °F

GEO-TECH Justin Aro

FORMATION TESTING SERVICE REPORT



HALLIBURTON SERVICES
Duncan, Oklahoma 73536
A Halliburton Company

ZEKES HOLE PROSPECT STATE 1-2 2 7585.0 - 7606.0 COASTAL OIL AND GAS CORPORATION

DRILLSTEM TEST REPORT

Prospect Name Zeke's Hole Date 9-24-85

Well Name State #1-Z

DST No. 2 Test Interval 7585' to 7606

Formation Tested Mississippian Leadville

Initial Flow 5 Mins. immed 2" blow, incr to 1 psi in 5 min

Initial Shutin 60 Mins. Dead in 23 min

Final Flow 90 Mins. Immed 3" blow, 5 psi - 50 mins, stayed @ 5 psi thru-out test period.

Final Shutin 180 Mins. Died 15 mins, Pulled Packer loose @ 12:45 pm

Recovery:

3552 Ft. @ 43 Bbls. Salt water w/ CO_2

____ Ft. @ ____ Bbls.

____ Ft. @ ____ Bbls.

____ Ft. @ ____ Bbls.

Flowing DST Data No Fluids to Surface

Chlorides: Recoveries 27,273 ppm R$_w$ 0.173 @ 78 °F

Pit 172,000 ppm

Sample Chamber: 2765 cc volume Pressure 650 psi

Recovery: 0.47 ft^3 CO_2 Gas, 2500 cc Salt water

PRESSURES	Top	Middle	Bottom
Depth of Bomb	7552'	7557'	7606'
Initial Flow	429 to 482	324 to 540	189 to 505
Initial Shutin	482 to 2369	540 to 2371	505 to 2398
Final Flow	469 to 1748	486 to 1750	526 to 1745
Final Shutin	1748 to 2355	1750 to 2358	1745 to 2398
Initial Hydrostatic	4451 to	4428 to	4472 to
Final Hydrostatic	4357 to	4415 to	4430 to

Temperature 144 °F @ 7602', Surface Choke 1/8" Bottom Choke 3/4"

REMARKS:

Howco Tester Farmington, N. Mex

DRILLSTEM TEST REPORT

Prospect Name STATE 1-2 Date 9-16-85

Well Name Zekes Holes

DST No. 1 Test Interval 6354 to 6360

Formation Tested DESSERT CREEK

Initial Flow 5 Mins. immediate 3" blow, 5 mins 2 psi

Initial Shutin 85 Mins. dead 15 mins

Final Flow 90 Mins. immediate 3" blow, 1/2 psi 45 mins 1/2 psi 45 To 90 min.

Final Shutin 183 Mins. dead immediately

Recovery:

1125 Ft. & 8.9 Bbls. mud cut SW - no oil

____ Ft. & ____ Bbls.

____ Ft. & ____ Bbls.

____ Ft. & ____ Bbls.

Flowing DST Data NONE TO SURFACE

Chlorides: Recoveries 175,000 ppm R_w .089 @ 65 °F

Pit 162,000 ppm

Sample Chamber: 2240 cc volume Pressure 163 psi

Recovery: 0.16210 FT^3 GAS 1900 cc SW

PRESSURES

	Top	Middle	Bottom
Depth of Bomb	6329	6333	6377
Initial Flow	84 to 84	81 to 81	107 to 107
Initial Shutin	84 to 2547	81 to 2547	107 to 2585
Final Flow	169 to 569	162 to 607	174 to 617
Final Shutin	569 to 2441	607 to 2412	617 to 2437
Initial Hydrostatic	3392 to	3387 to	3438 to
Final Hydrostatic	3307 to	3360 to	3383 to

Temperature 122 °F Surface Choke Ys Bottom Choke 3/4

REMARKS: @ 6376

Howco - Farmington

Form OGC-3

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

56 64 01 2

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other plugged

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

RECEIVED
OCT 15 1985
DIVISION OF OIL GAS & MINING

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface 705.8' FNL, 2026.2' FEL NW NE
At top prod. interval reported below same
At total depth same

5. LEASE DESIGNATION AND SERIAL NO.: ML 38397
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
7. UNIT AGREEMENT NAME: NA
8. FARM OR LEASE NAME: State 1-2
9. WELL NO.: 1
10. FIELD AND POOL, OR WILDCAT: Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 2-T37S-R21E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-037-31185	8-15-85	San Juan	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
8-26-85	9-25-85	NA well plugged 10-2-85	5930.6 GR	NA

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7744'	surface	none	→	60-7744'	NA

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
hole plugged and abandoned

25. WAS DIRECTIONAL SURVEY MADE: no

26. TYPE ELECTRIC AND OTHER LOGS RUN (Sample)
Long Spaced Sonic, Litho-Den-CNL, Dipmeter, Cyberlook

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
16"		60'	20"	4 cu yd Redimix	0
14 3/4"	40.5	2298'	14 3/4"	1150 sx Lite +200 sx Cl B +60 bbl cmt	0

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)
NA

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
NA		P&A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
DSTs #1 & #2

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

SIGNED H. E. Aab TITLE District Drilling Manager DATE October 8, 1985

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			See attached copies of DSTs #1 & #2 Logs were sent direct by logging contractor

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Chinle	2200'	
DeChelley	2959'	
Hermosa	4961'	
Upper Ismay	6042'	
Hovenweep	6167'	
Lower Ismay	6190'	
Gothic Shale	6233'	
Desert Creek	6252'	
Chimney Rock	6378'	
Akah	6407'	
Salt	6440'	
Base Salt	7008'	
Mississippian	7412'	

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

3

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

5. LEASE DESIGNATION AND SERIAL NO.: ML 38397

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: NA

8. FARM OR LEASE NAME: State 1-2

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 2-T37S-R21E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR: P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface: 705.8' FNL, 2026.2' FEL
NE NE

14. PERMIT NO.: 43-037-31185

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5930.6 GR

16. Check Appropnate 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*	[X]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(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.)*

Commence plugging operations October 1, 1985 as follows:

Tag Plug #1 7390' with 8000 lbs, TOH to 6450'.
Spot Plug #2 with 72 sacks Cl H - 6350-6450'
Spot Plug #3 with 72 sacks Class H - 4960-4860'
Spot Plug #4 with 72 sacks with Class H - 2350-2250'
Spot Plug #5 with 22 sacks Class H 100' to 0'

Complete 3 PM October 2, 1985.

RECEIVED
OCT 25 1985
DIVISION OF OIL, GAS & MINING

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10/31/85
BY: John R. Baza

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

SIGNED H. E. Aab TITLE District Drilling Manager, Denver District DATE October 23, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

303/572-1121

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

Re: State 1-2
705.8' FNL, 2025.2' FEL
Section 2-T37S-R21E
San Juan, County, Utah
Permit 43-037-31185

Gentlemen:

Please find enclosed Sundry Notice of chronological history for the month of

Please return approved copy in the stamped self-addressed envelope enclosed for your convenience.

Yours very truly,

Anne Dyer

Anne M. Dyer
Operations Analyst
Denver District Drilling Department

d

Enclosures

COGC #1-2 STATE
ZEKE'S HOLE
SAN JUAN COUNTY, UTAH
CONTR: ENERGY SEARCH #1/
WI: COGC 100%; AFE:
ATD: 8400'; SD: 8-28-85
CSG: 16" @ 60', 10 3/4"
@ 2298'

LOCATION: 705.8' FNL, 202[illegible]2 FEL
NW NE Section 2-T37S-R21E

GR5930.6' ungrd

10-1-85 7744' TD WOC on Plug #1 to P&A. Circ & WOO. TOOH, LD DC. TIH openended. Spot Plug #1 7390' with 8000 lbs, TOOH to 6450'. Pull 25 stds. PD 3:00 AM 10-1-85.

10-2-85. 7744' Spotting Plug #3 to P&A. TIH, Tag Plug #1 at 7390'. TOOH to 6450'. Spot Plug #2 with 72 sx Cl H 6350-6450'. TOOH to 4960'. WOC. Spot Plug #3 with 72 sacks Cl H 4860-4960'. MW 10.4, Vis 44, WL 19.2.

10-3-85 Spot Plug #4 with 72 sacks Cl H 2350-2250'. Spot Plug #5 with 22 sacks Cl H 100'-0'. RR 3 PM 11-2-85. D&A. FINAL REPORT.

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR: P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 705.8' FNL, 2025.2' FEL

5. LEASE DESIGNATION AND SERIAL NO.: ML 38397

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: NA

8. FARM OR LEASE NAME: State 1-2

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 2-T37S-R21E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO.: 43-037-31185

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5930.6' GR

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) Monthly activity Report			[X]
(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.) *

Please refer to attached copy of chronological history for month of October 1985.

RECEIVED
NOV 08 1985
DIVISION OF OIL, GAS & MINING

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

SIGNED H. E. Aab TITLE District Drilling Manager, Denver District DATE November 6, 1985

(This space for Federal or State office use)

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

*See Instructions on Reverse Side