

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

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Fee and Patented
5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 DRILL DEEPEN PLUG BACK

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

2. Name of Operator
 FOSSIL FUELS, INC.

3. Address of Operator
 P. O. BOX 459, FERRON, UTAH 84523

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
 At surface 122.75' F.W.L. and 1808.89' F.E.L.
 At proposed prod. zone Same

6. If Indian, Allottee or Tribe Name
 Hawthorn Oil

7. Unit Agreement Name
 Sorenson #1-2

8. Farm or Lease Name
 #1-2

9. Well No.
 Sec 2, T20S, R7E, USB&M

10. Field and Pool, or Wildcat
 UNDESIS6

11. Sec., T., R., M., or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*
 1/4 mile South of Clawson on Hwy 10; 3/4 mile East on County Road

12. County or Parrish
 Emery

13. State
 Utah

15. Distance from proposed* location to nearest property or lease line, ft.
 122.75'

16. No. of acres in lease
 39.71

17. No. of acres assigned to this well

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.
 Approx. 1/2 mile

19. Proposed depth
 1800'

20. Rotary or cable tools
 Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
 5950 GR

22. Approx. date work will start*
 Aug. 1, 1983

PROPOSED CASING AND CEMENTING PROGRAM

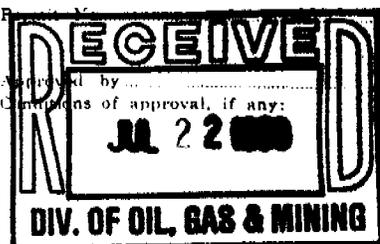
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
Existing	7"	Unknown	Unknown/will advise	Unknown
6 1/4"	4 1/2"	10.5#	1800	120 sacks

BACKGROUND INFORMATION: The Sorenson #1 well along with the Tidwell #1A and the Baldwin #1 (both of the latter in Sec. 35 T19S., R7E) were drilled in the mid 1950's prior to the inception of the Division of Oil, Gas and Mining and the present spacing requirements. Research indicates that they were drilled properly for spacing requirements at that time. Skippy records are available for work done during drilling, completion and shut in. From these records, it appears that they were drilled with cable tools, in excess of 100' of 7" 20/ft. surface casing was set. Local talk is that they were only drilled to the top of the Ferron Sand Stone Formation. Visual inspection shows the Sorenson #1 as having an open hole completion with neither production casing nor production tubing. The other two wells do have 2" pipe for production string and set at bottom with a packer and cement. Logs are unavailable with the Div. of O.G.&M. Several letters can be found in the files of Div. of O.G.&M. where operator "Carbon Emery Energy" was told to plug and abandon at least two of these wells and cash bonds were forfeited. In the early summer of 1983, Bucks Drilling, Inc. discovered that these wells were live and producible. The Sorenson #1 was found to be fenced with a Danger-Gas sign attached. The sign had several bullet holds through it. (local residents use the area for (over)

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

Signed James A. Knight Title Exploration Manager Date 7-22-83

(This space for Federal or State office use)



APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 7-26-83 Date 8-18-83
 BY: [Signature]

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

target practice range). The valve on the Wellhead was leaking and pressure check showed near 600 psig. Tests were taken during June for gas flow a 4 point, 1 hr. orifice test (Exhibit B Attached.) placed the flow at approx. 180 MCF/D; a 24 hr. 1/4" orifice test gave smaller results. (See Exhibit A.)

FOSSIL FUELS, INC. PROPOSES TO:

1. Workover using best methods, the Sorenson #1 Well.
2. Assume by virtue of a standard Bond, all P. & A. responsibility for this well as well as re-claiming of the property.
3. Provide logs, surface casing info., and any and all other information possible to the Div. of O.G.&M. on this well.
4. Pursue the other two wells (Baldwin & Tidwell) in the same manner as above as promptly as possible.

The Deepen and Workover Program on the Sorenson #1 will be as follows:

1. Clean up, level location, dig pits.
2. Blow down well and kill with drilling mud. Remove Wellhead, install B.O.P. stack.
3. Drill with 6 1/4" bit to clean out hole to T.D. (1457'); continue drilling to the base of the Ferron S.S. approximately 1800' T.D.
4. Log hole, set casing & cement to 400' above highest production zone. Set new casing head.
5. Perforate, run 2 3/8" tubing, set new tubing head and valves.
6. Flow test.
7. Determine if Frac. is required.

ANDERSON-BROCKBANK #1

C NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 2 T20S R7E SLP

Emery County, Utah

Test Data: 2" Critical Flow Prover
 Uncalibrated 1000 psig Marsh pressure guage
 Temp. Approx. 80°F
 Tested by: Jim Knight and Gary Knight

- Pertinent notes:
- 1) No correction made for temperature
 - 2) No correction made for Specific Gravity
 - 3) The pressures used will be that recorded at the well-head in psig due to usage of uncalibrated guage.
 - 4) Four point isochronal test----one hour flow per point.
 - 5) Dry gas---no evidence of water or water vapor during testing period
 - 6) Well producing through nominal 2" I.D. pipe
 - 7) Well has apparently never been stimulated
 - 8) Initial wellhead shut-in pressure = 540 psig

Point #1. $\frac{1}{4}$ " orifice plate

Time	P	p	Q
7:50 A.M.	520	20	50 MCFDD
8:50 A.M.	463	19	46 MCFDD

Point #2. $\frac{3}{8}$ " orifice plate

10:55 A.M.	520	15	94 MCFDD
11:55 A.M.	410	10	72 MCFDD

Point #3 $\frac{1}{2}$ " orifice plate

5:30 P.M.	520	20	160 MCFDD
6:30 P.M.	335	11	130 MCFDD

Point #4 $\frac{5}{8}$ " orifice

7:40 A.M.	540	20	280 MCFDD
8:40 A.M.	305	4	105 MCFDD

Anderson-Prockhan¹ #1 (cont)

$$P_s^2 = 291,600$$

Point #1	$P_s^2 - P_f^2$	$291,600 - 214,360 = 77,240$
Point #2	$P_s^2 - P_f$	$291,600 - 168,100 = 123,500$
Point #3	$P_s^2 - P_f^2$	$291,600 - 112,225 = 179,375$
Point #4	$P_s^2 - P_f^2$	$291,600 - 93,205 = 198,395$

Calculated Absolute Open Flow

$$P_{s_1}^2 - P_{f_1}^2 = 300$$

$$P_{s_2}^2 - P_{f_2}^2 = 30$$

$$Q_1 = 163 \text{ MCFPD}$$

$$Q_2 = 19 \text{ MCFPD}$$

$$\log Q_1 = 2.22531$$

$$\log Q_2 = \underline{1.27875}$$

$$"n" = 0.95$$

$$\text{Angle 'a'} = 46^\circ 30'$$

$$\text{Cotan 'a'} = 0.95$$

$$Q = C(P_s^2 - P_f^2)^n$$

$$C = 0.57$$

Assuming 100 psig back pressure on well.

$$291.6 - 10.0 = 281.6 \quad (0.57)(281.6) = 160.5 \text{ MCFPD}$$

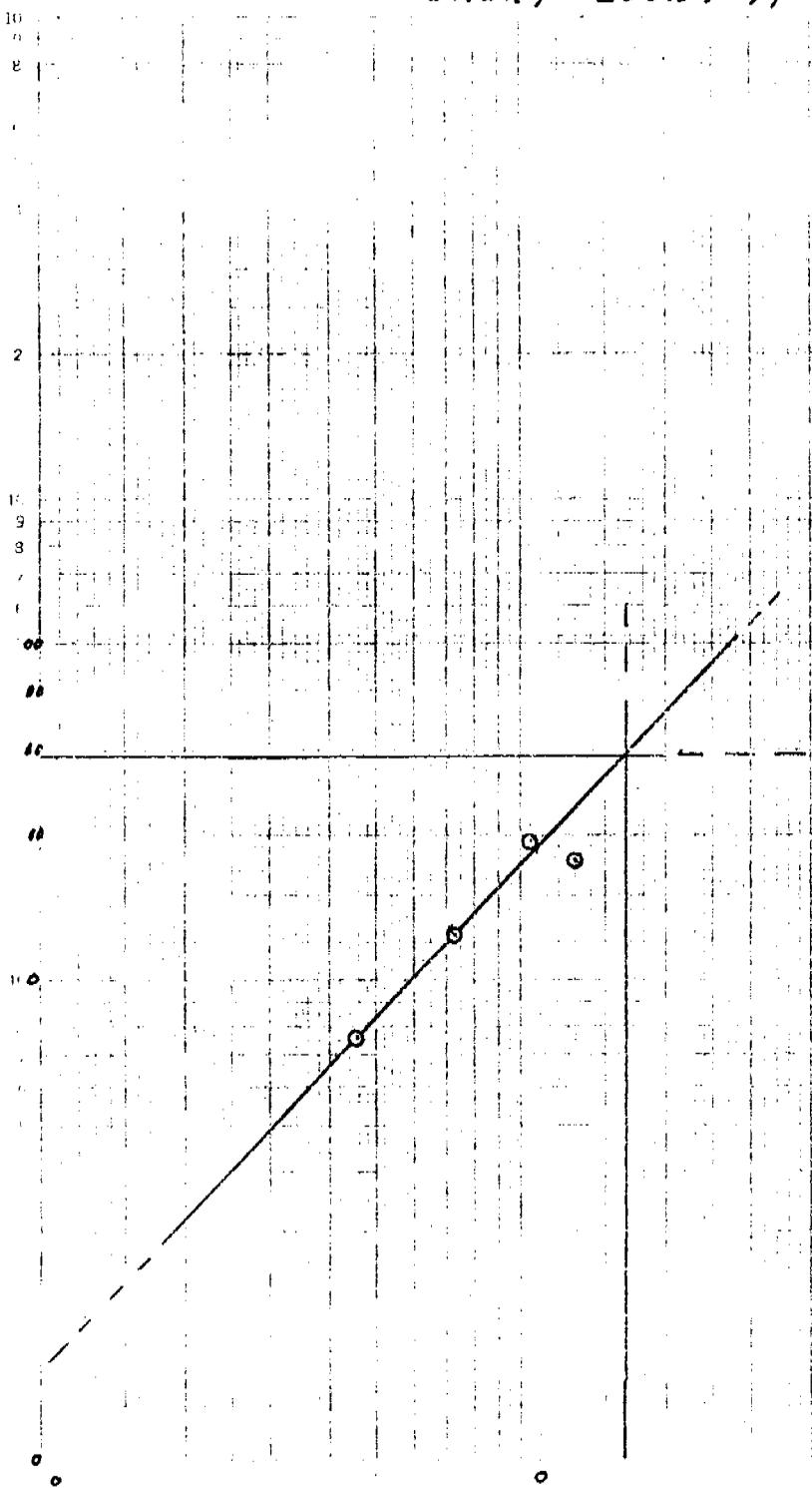
ANDERSON 4 BROCKBANK #1

SECTION 2 C NW 1/4 NE 1/4

T 20 S R 7 E SLBM
EMERY COUNTY, UTAH

$P_2^2 - P_1^2 = 46740$ Thousands

LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



G.A.O.F. = 165 MCFD

$P_2^2 - P_1^2 = 300$
 $P_2^2 - P_1^2 = 30$

$Q_1 = 168$ MCFPD
 $Q_2 = 19$ MCFPD

$\log Q_1 = 2.22581$

$\log Q_2 = 1.27875$

$N = 0.95$

Cotangent $46' 30'' = 0.98$

$Q = MCFPD$

CERTIFICATE

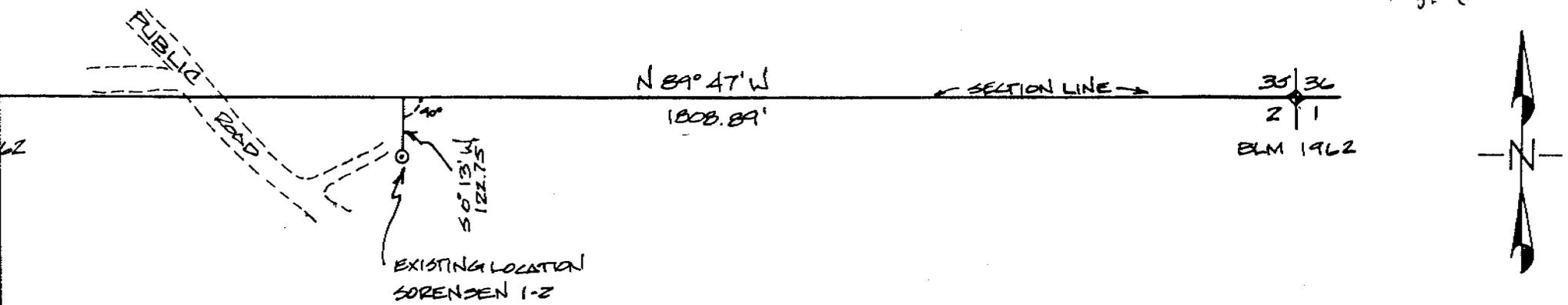
Lee Mont Swasey
 LEE MONT SWASEY

A LICENSED SURVEYOR, HOLDING UTAH CERTIFICATE NO. 6108, DO HEREBY CERTIFY THAT THE PLAT SHOWN HEREON HAS BEEN PREPARED FROM A FIELD SURVEY MADE UNDER MY DIRECTION AND CORRECTLY SHOWS THE DIMENSIONS AND MONUMENTS OF THE PROPERTY DESCRIBED TO THE BEST OF MY KNOWLEDGE AND BELIEF. FURTHERMORE, ENCROACHMENTS OF FENCES AND IMPROVEMENTS ARE SHOWN WITH THE FOLLOWING EXCEPTIONS:

NONE



...NT WHICH IS 1808.89 FEET
 ...T LINE AND 122.75 FEET
 ...H LINE OF SECTION 2,
 SLM.



NOTE: FOSSIL FUELS, INC.
 IS USING THIS SURVEY
 BY PERMISSION FROM
 BUCKS DRILLING INC.

DATE	SCALE
JULY 1983	1" = 300'
SURVEY	

LEE MONT SWASEY
 REGISTERED LAND SURVEYOR

JOHANSEN & TUTTLE ENGR. INC. CASTLE DALE, UTAH

SURVEY FOR

BUCK'S DRILLING
 P.O. BOX 229
 FERRON, UTAH 84523

OPERATIONS AND SURFACE USE PLAN

1. WELL LOCATION AND EXISTING ROADS: The attached plat (figure 1) shows the location of the proposed well site. Figure 2 shows the access route from State Highway 10 to the well site. The well site is approximately 1/4 miles south of Clawson, Utah, along State Highway 10, thence approximately 3/4 mile East on County Road.
2. PLANNED ACCESS ROAD: Existing dirt road leaving County Road passes within 15 yds of well. Road is used on occasion by local people who use the area for target practice. Location will be made as a continuation of this road.
3. LOCATION OF EXISTING WELLS: Figure two (2) indicates wells in the immediate area that are productive. There are no other known wells, either productive, abandoned or dry near this location other than those shown on the attached drawing.
4. LOCATION OF PRODUCTION EQUIPMENT: See attached Drawing, Figure 3 which indicates production equipment for a gas well. All line will be cated and wrapped and buried. The land usage for this equipment will be held to an absolute minimum. After operations cease, and provided surface disturbances have occurred, the surgece will be leveled and sloped to pre-existing conditions. B.L.M. reseeding procedures will be followed.
5. WATER SUPPLY: Water supply can be purchased from Ferron City. In the event that a closer supply can be obtained from either Clawson City or a local canal company, the closer water supply will be used.
6. ROAD MATERIAL: It is not expected that road material will be required. Existing surface material will be used only to a minimum to build drilling pad. The top six (6) inches of soil material will be removed and stockpiled. Redistribution of this material on the pits will occur on the drilling site immediately following cesstation of pit usage.
7. WATER DISPOSAL: A small reserve pit (12 X 20 X 5') will be used as a blooie line collection pit as well as a storage pit for the water used in drilling to be located near the rig. This pit will be folded in and recontoured as soon as possible following completion of operations. This area will be reseeded as per above.
8. CAMP FACILITIES AND AIRSTRIP: No additional ground or facilities will be used for camp facilities. Toilet facilities will be provided at the drillsite. There will be no airstrip required. For emergencies, facilities at the Huntington Airport will be used.

9. WELL SITE LAYOUT: The plan for the layout of the drilling equipment is indicated in figure 4. There may be slight additions and/or deletions that may occur if the drilling contractor decides to add or delete from his present facilities. As this location is relatively flat, a minimum amount of cut and/or fill will be needed.

10. RESTORATION: After drilling operations have been concluded and equipment removed, the well site area will be cleaned, leveled, and reseeded and restored to normal. The pits will be covered and all trash will be removed. Reseeding will be done as earlier discussed. All disturbed areas will be scarified with the contour to a depth of four (4) inches. Pads will not be smoothed but left roughened. Seed will be broadcast in late fall including 1 lb/acre Indian Recegrass; 1 lb/acre fourwing saltbrush; 1 lb/acre crested wheatgrass; 1 lb/acre alkali sacaton; and 1 lb/acre yellow sweet-clover.

11. LAND DESCRIPTION: Note paragraph no. 1 above. This area is nearly flat. The Wasatch Plateau is to the West and the San Rafael Swell lies to the East.

12. REPRESENTATION: Fossil Fuels, Inc., is the designated Operator of the lease. The Operators supervisor will be G. Gary Knight, P. O. Box 459, Ferron, Utah (Castle County Traylor Court #48), Phone: (801) 384-3100.

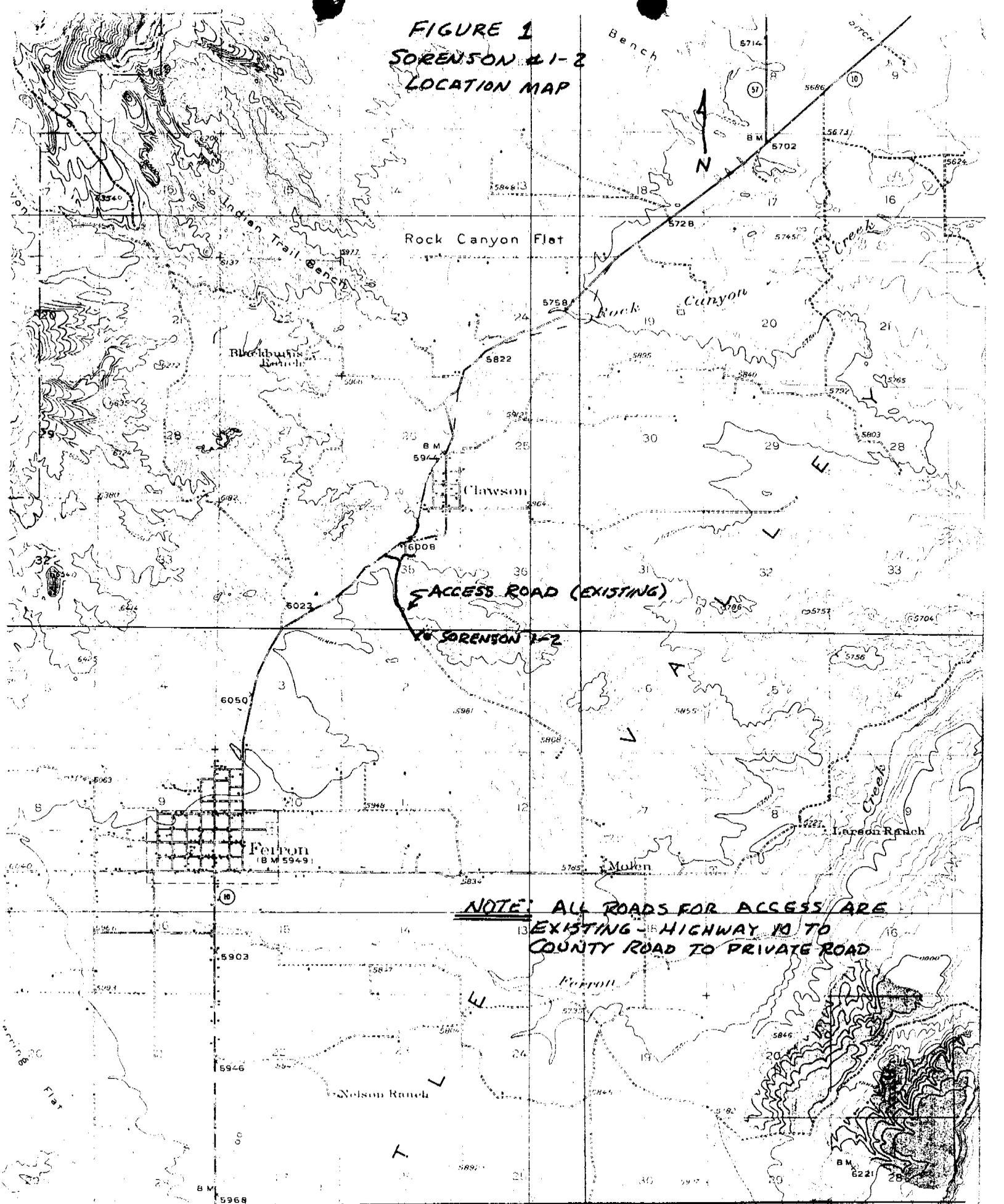
13. CERTIFICATION: I hereby certify that I or persons under my direct Supervisions, have inspected the proposed drill-site and proposed access road; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by Fossil Fuels, Inc., and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

dated this 22nd day of July . 1983

FOSSIL FUELS, INC.


James A. Knight

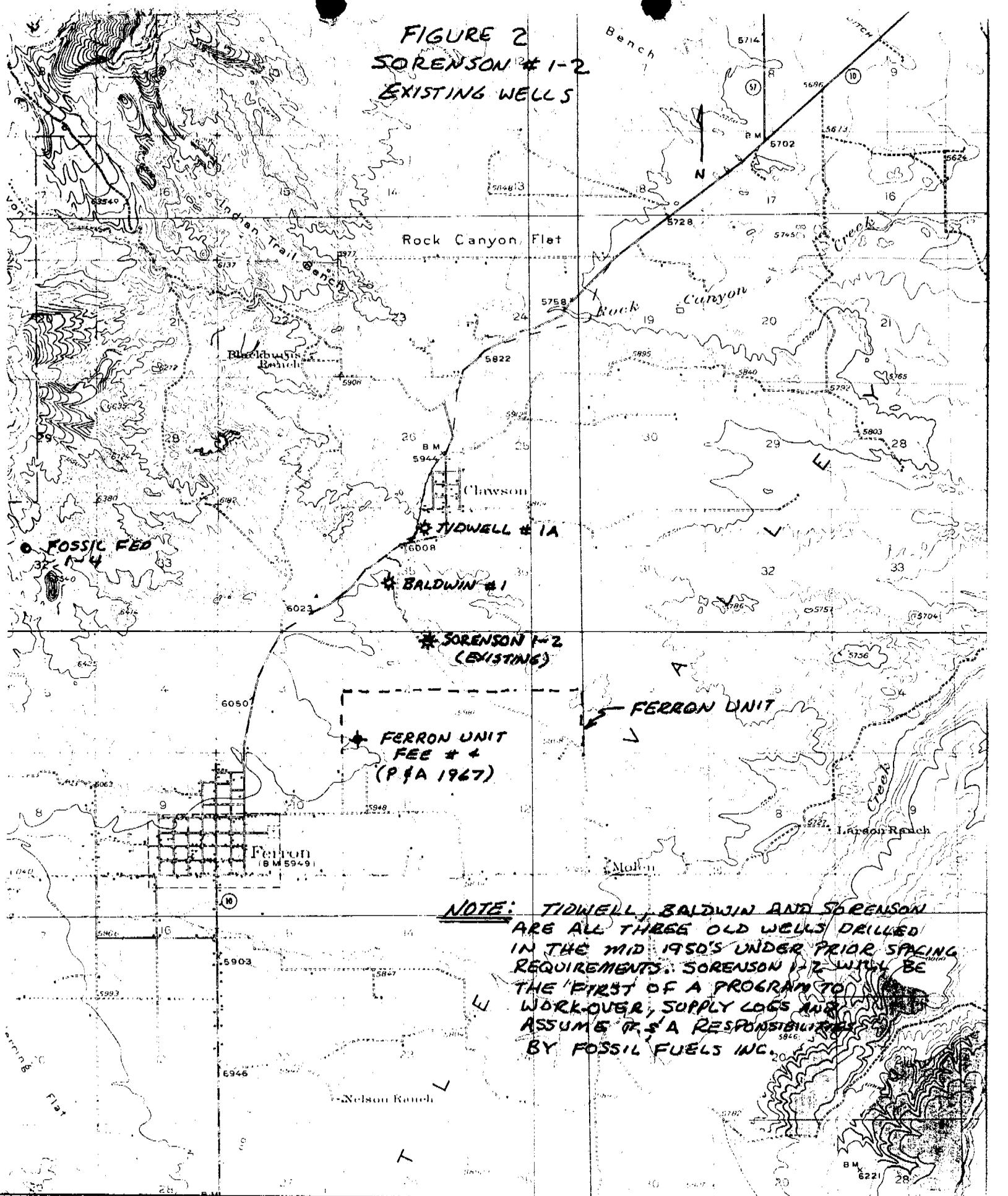
**FIGURE 1
SORENSEN #1-2
LOCATION MAP**



NOTE: ALL ROADS FOR ACCESS ARE EXISTING - HIGHWAY 10 TO COUNTY ROAD TO PRIVATE ROAD

<p>REVISIONS:</p>	<p>TITLE: FIG. 1 LOCATION ACCESS MAP</p>	<p>FOSSIL FUELS, INC. P.O. BOX 459 FERRON, UTAH. 84523</p>	<p>DATE: 7-22-83</p>
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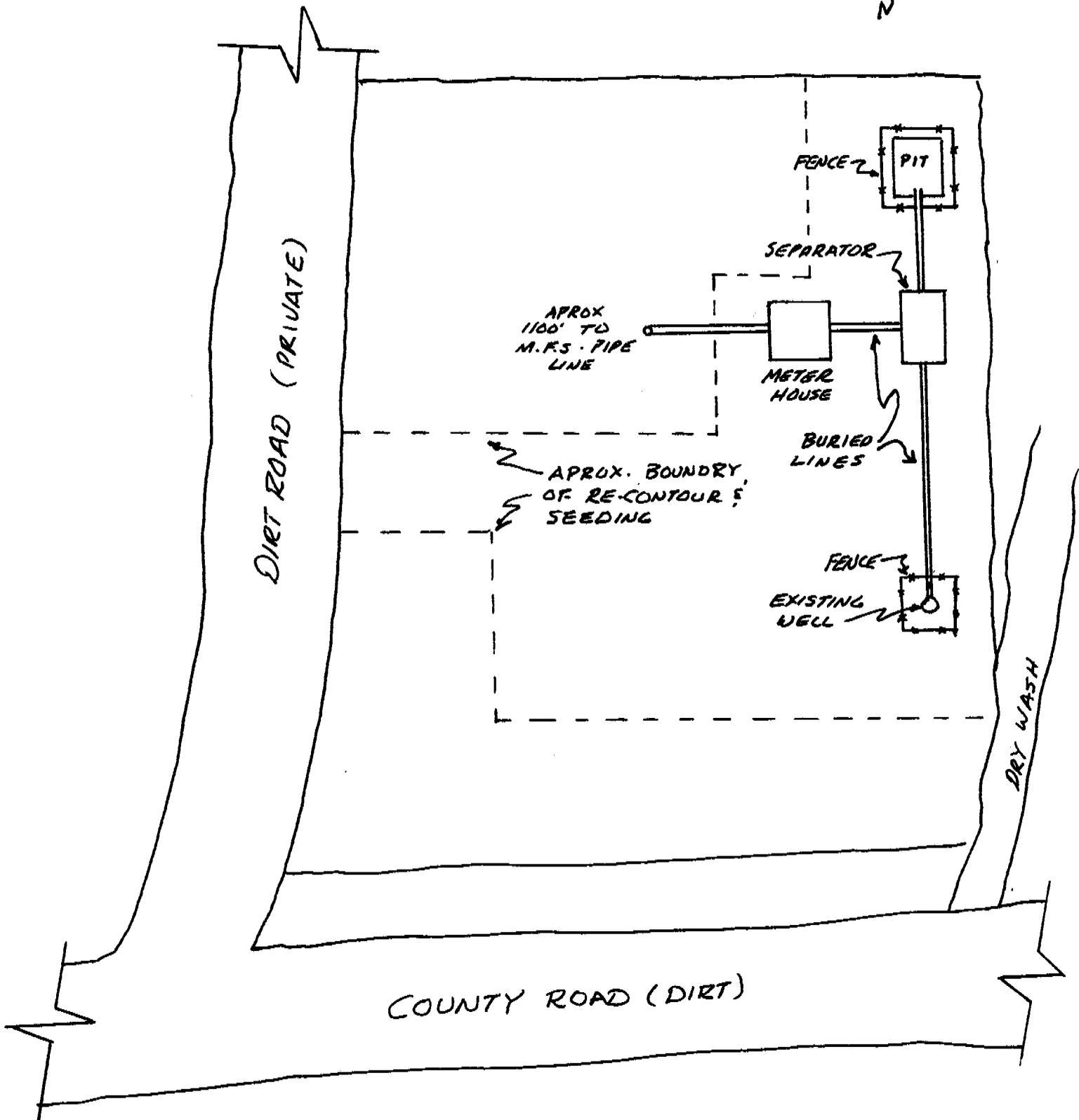
**FIGURE 2
SORENSEN # 1-2
EXISTING WELLS**



NOTE: TIDWELL, BALDWIN AND SORENSON ARE ALL THREE OLD WELLS DRILLED IN THE MID 1950'S UNDER PRIOR SPALING REQUIREMENTS. SORENSON 1-2 WILL BE THE FIRST OF A PROGRAM TO WORKOVER, SUPPLY LOGS AND ASSUME P & A RESPONSIBILITIES BY FOSSIL FUELS INC.

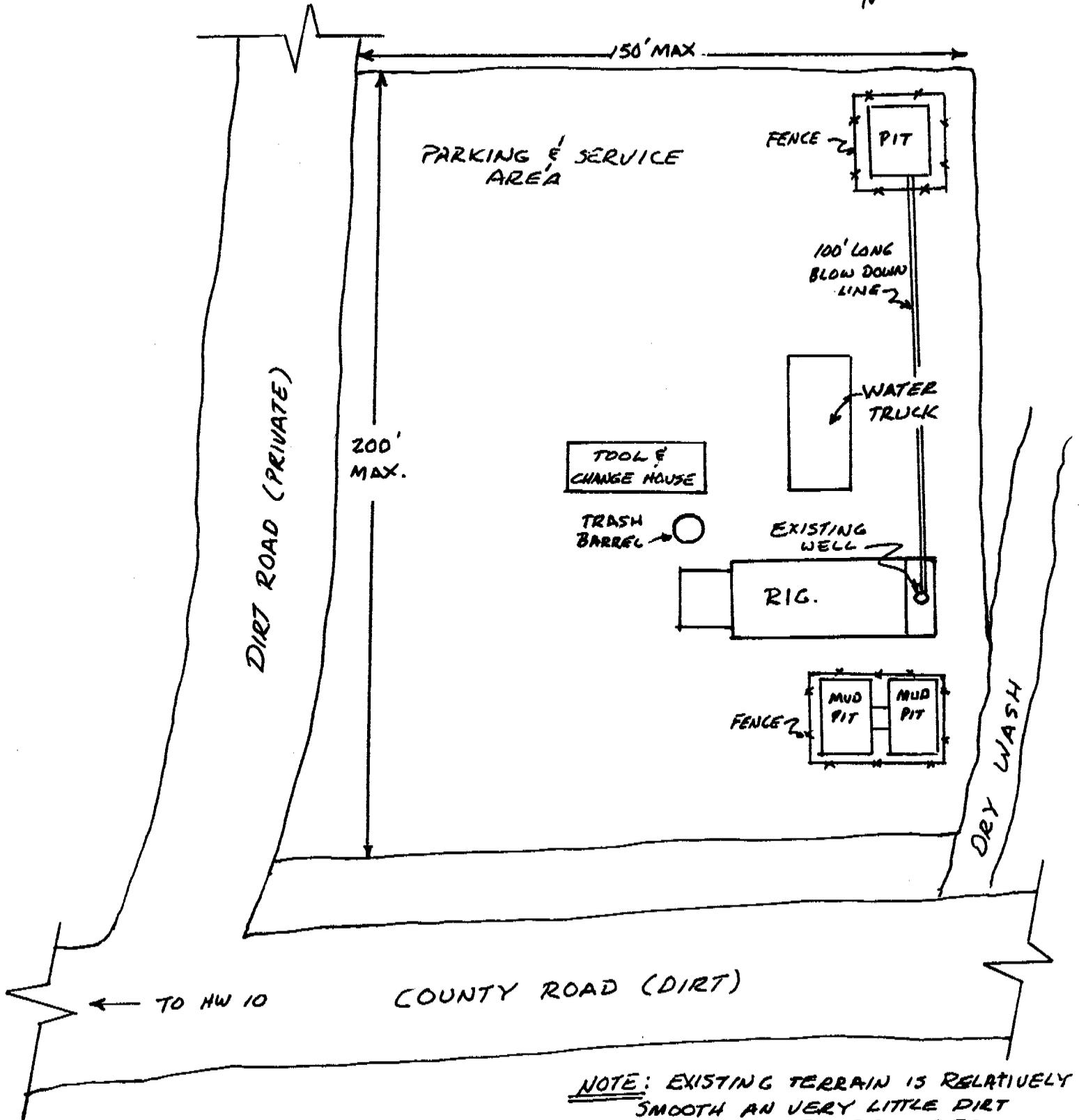
<p>REVISION:</p>	<p>TITLE: FIG. 2 EXISTING WELLS Blue Dugway</p>	<p>FOSSIL FUELS INC. P.O. BOX 459 FERRON, UT. 84523</p>	<p>DATE: 7-22-83</p>
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FIGURE 3
 SORENSON # 1-2
 PRODUCTION FACILITY



REVISION:	TITLE FIG. 3 PRODUCTION FACILITY (GAS) SORENSON # 1-2	FOSSIL FUELS, INC. P.O. BOX 459 FERRON, UTAH 84523	DATE: 7-22-83
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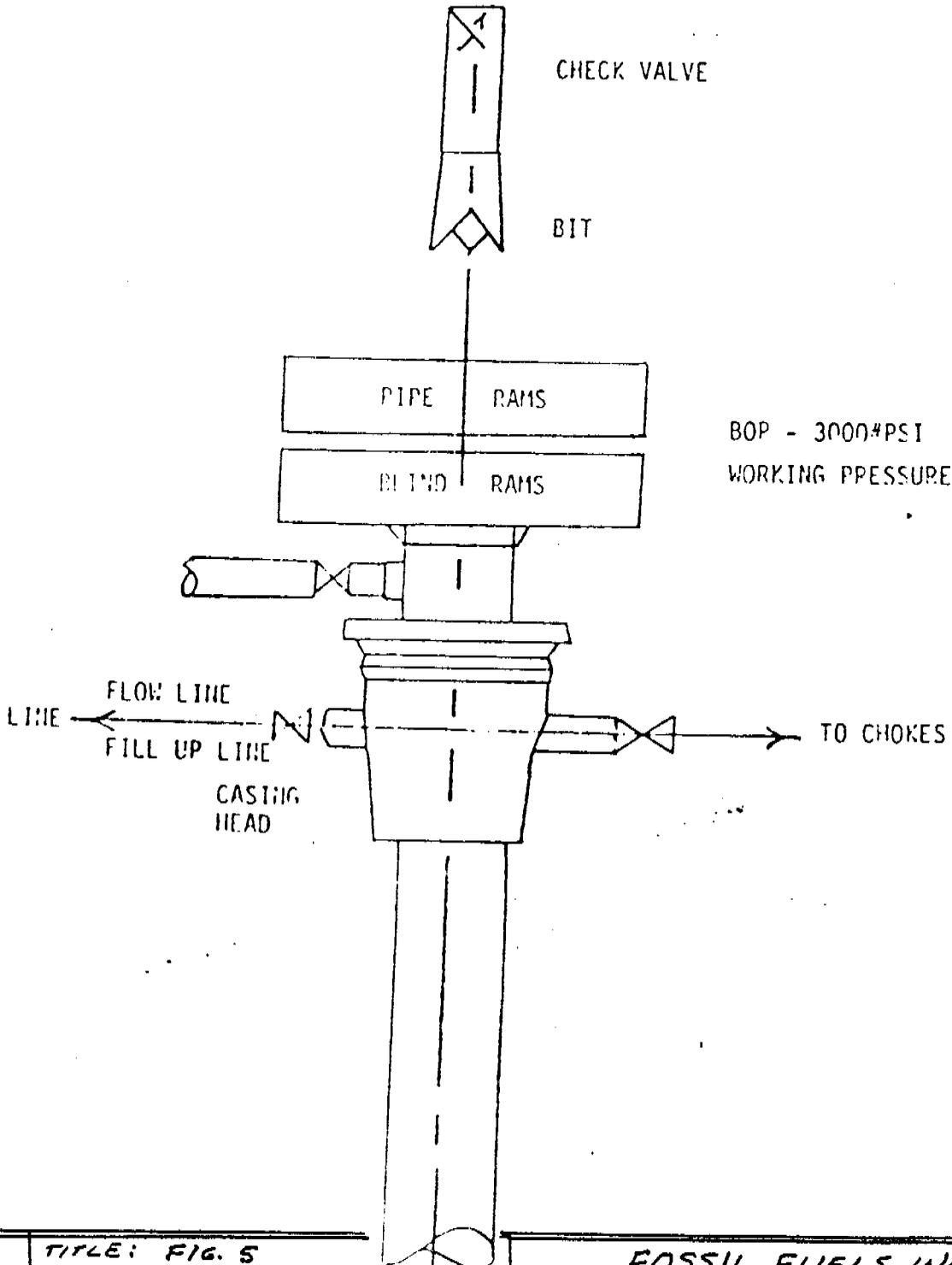
FIGURE 4
SORENSEN # 1-2
LOCATION LAYOUT



NOTE: EXISTING TERRAIN IS RELATIVELY SMOOTH AN VERY LITTLE DIRT MOVAL WILL BE REQUIRED.

REVISION:	TITLE: FIG. 4 LOCATION LAYOUT SORENSEN 1-2	FOSSIL FUELS, INC. P.O. BOX 459 FERRON, UTAH 84523	DATE: 7-22-83
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SORENSON # 1-2
PRESSURE CONTROL
(B.O.P. STACK)



REVISION:	TITLE: FIG. 5 PRESSURE CONTROL (B.O.P. STACK)	FOSSIL FUELS, INC. P. O. BOX 459 FERRON, UTAH, 84523	DATE: 7-22-83
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WELL CONTROL EQUIPMENT

1. Surface Casing: Surface casing was set when well was drilled prior to Feb. 1954; amount and type is unavailable from the records. The casing is 7" T & C, the depth will be reported to the Div. of O. G. & M. when this is determined.

2. Casing Head:

a. The flange size will be 7" series 3,000 new, equipped with 2 inch ports with nipples and 2" 1,000 lb. working pressure valves.

3. Intermediate Casing:

a. None.

4. Blowout Preventers:

a. Figure five is a schematic of the control system for drilling the proposed wells. The control system is designed to handle up to 3000 psi working pressure.

5. Auxilliary Equipment:

a. All that is standard for safe and prudent mud drilling operations.

6. Anticipated Pressures:

a. The anticipated pressure that is expected to be encountered will be approximately 540 psig. Max at beginning of mudding up.

1. The surface material is weathered Mancos Shale.
2. The estimated tops of important and recognizable geologic markers are:

Mancos Shale.....Surface
Lower Ferron.....Approx. 1400 ft.
Tununk Shale.....Approx. 1800 ft.

3. The estimated depths at which important water, oil and gas is expected to be encountered are:

Lower Ferron Sand.....1450 ft.....Gas

No water sands are expected to be encountered while drilling this well.

4. The production casing program will consist of 1800 feet of 4 1/2", 10.5 lb/ft. casing. The 4 1/2" production string will be cemented with 120 sacks of cement, or a quantity providing 400' of cement above highest producible zone.

5. The schematic diagram of the B.O.P. is attached. The 3000 psig working configuration will be used. Also, dependent upon the height from ground level to the return flow, a hydrill or equivalent type of B.O.P. will be utilized as the top piece of the B.O.P. stack.

6. It is planned to drill this well using mud as the circulating medium.

7. The auxiliary equipment to be used will be that applicable to prudent mud drilling practices. The blowdown line will be terminated at a minimum distance of 100 feet from the rig. A relatively small blooie pit will be utilized. All drilling and reserve pits will be fenced.

8. It is planned to utilize open-hole logs in this well. They will consist of a gamma ray, caliper compensated neutron density and dual induction guard.

9. It is not anticipated that any H₂S, abnormal pressures or high temperatures will be encountered in drilling this well.

10. It is expected to commence operations on Aug. 1, 1983. The estimated time to drill this well will be five (5) days.

File in Duplicate

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

DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil, Gas and Mining of the State of Utah, hereby appoint James A. Knight, whose address is 5199 Huntington Rd. SIC, Utah 84118, (his, her or its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective date of designation 7-20-83

Company FOSSIL FUELS, INC. Address P.O. BOX 459, FERRON, UTAH 84523

By James A. Knight Title EXPLORATION MANAGER
(signature)

NOTE: Agent must be a resident of the State of Utah

MIKE 369-5614

OPERATOR FOSSIL FUELS INC DATE 7-26-83

WELL NAME SORENSEN # 1-2

SEC NW NE 2 T 20 S R 7 E COUNTY EMERY

43-015-30173
API NUMBER

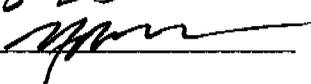
FEE
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	MAP	<input type="checkbox"/>	HL
<input type="checkbox"/>	NID	<input type="checkbox"/>		<input type="checkbox"/>	PI

PROCESSING COMMENTS:

THIS IS AN OLD WELL (PRIOR TO OGSM) SHOWN BY OLD RECORDS AS FEA, HOWEVER THE WELL WAS IN FACT SHUT IN, AND FOSSIL FUELS IS ONLY DOING A WORKOVER. THE WELL HAS NEVER HAD AN AFE NO. WATER FOR USE ON THE SITE IS FROM AN APPROVED SOURCE.

✓ CHIEF PETROLEUM ENGINEER REVIEW: INTEREST IN THIS WELL IS COMMERCIAL FOR 600 ACRE BOND REC'D 8-18-83
7/26/83 

APPROVAL LETTER:

SPACING: A-3 _____ UNIT c-3-a _____ CAUSE NO. & DATE

c-3-b c-3-c

SPECIAL LANGUAGE:

OFF SET DRILLING PRIVILEGES OF EQUAL DISTANCE FROM THE BOUNDARY SEPARATING SEC 2 FROM SEC 35 TO THE NORTH SHALL BE EXTENDED TO THE OFF SETTING LEASE HOLDER TO THE NORTH.

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *BOND IS NEEDED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC. *NEAR THE FERRARI FIELD*

APPLY SPACING CONSIDERATION

ORDER ~~# 7 12 13 57~~

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

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

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

LOCATION	LAND STATUS	OPERATOR AND WELL NUMBER	FIELD OR AREA	COMPLETED	ELEVATION	GEOLOGIC FORMATIONS SURFACE	FORMATION BOTTOM	TOPS: DEPTH IN FEET FROM SURFACE	REMARKS CONCERNING PRODUCING HORIZONS OR SHOWS	DEPTH	WELL STATUS
C NENEW 4-16S12E	Pu	Equity Oil Co. #2	Mounds	11-7-53	5420	Mancos	?	Kmf surface, Kd 246', Km 282', Kcmb 658', Jm 687', Jmsw 1014', Jc 1503', Jc 1668', Jca 2029', Jn 2339', Jk 2794', Jw 2800', Rc 3228', Rsh, 3448', Rm 3490', Marine Rm 3955', Rai 4141', Pk 4611'.	Casing: 10-3/4" cc 126', & 7" cc 4536' w/385 sx.	4,675	Abd
D SEEDW 4-16S12E	Pu	Equity Oil Co. #4	Mounds	9-7-53	?	Mancos	Coconino			4,671	Abd
SWESE 25-17S7E	Pu	Utah Southern Oil Co. #1	Orangeville	?	7069	Mancos	?			3,425	Drg
NW 2-17S8E	P	Ohio Oil Co. #1	Huntington	11-4-21	6000?	Mancos	Morrison			3,100	Abd
1/2 SENW 15-17S8E	Pu	Mt. Fuel Supply Co. & Phillips Pat. Co. #1	Huntington Anticline	?	6127	Mancos	?	Km ? surface, Kmf 2215', Kd 2995', Km 1890', Kd 2690', Jm 2870', Km 2790', Kcmb 2860', Jmsw 3485', Jn 3638', Jc 4260', Jc 4720', Jca 5560', Jn 6768', Jw 7300', Rc 7710', Rsh 7900', Rm 8025', Rsi 8650', Pk 9088', Pco 9229', Cp 9640', Cm 10,095'.	Casing: 13-3/8" cc .605' w/500 sx.	10,511	Drg
SENWSW 12-17S9E	P	Anderson & Brockbank #1-X	East Huntington	7-7-53	?	Mancos	?		Casing: 10-3/4" cc 300' w/50 sx.	1,212	Abd
C SW 12-17S9E	P	Anderson & Brockbank #1	East Huntington	2-28-53	5302	Mancos	Ferron?		Lost hole. Rig skidded northwest for Well 1-X.	1,700	Abd
31-18S9E	Pu	Castledale Oil Co. (Pacific Western Oil Co.) #1	Castle Dale	12-8-21	5306	Mancos	Morrison		A few feet north of P. W. #2.	833	Abd
NESE 31-18S9E	Pu	G. H. Mulvey (Pacific Western Oil Co.) #2	Castle Dale	8-5-29	5300	Mancos	Morrison			825	Abd
NWSWSW 32-18S9E	S	Kralik Oil Co. #1	Castle Dale	1-7-48	?	Mancos	Navajo	Km surface, Kmf 75', Kd 850', Jm 900', Jn 3540'.	Some dead oil shows 2300-2400'.	3,600	P&A
C SWNW 2-18S10E	P	Equity Oil Co. #1	Bull Canyon	?	?	Morrison	?			4,825	Drg
1/2 SENE 12-18S12E	Pu	El Paso Natural Gas Co. #1	Pack Saddle	5-11-53	5291	San Rafael Group	Pre-Cambrian	Jn 100', Jk 400', Jw 524', Rc 970', Rsh 1194', Rm 1265', Rsi 1945', Pk 2280', Pco 2330' Cp 2859', Cm 4566', Quartzite 6580', Metamorphics 6720', Granite 6796'.	10 DSTs; gas-out mud at 2278-2312'.	6,806	Abd
SWSE 12-19S13E	Pu	Utah Oil Refining Co. #1	Woodside	2-7-24	5200	Curtis	Coconino	Jc surface, Jc 215', Jca 680', Jn 835', Jk 1215', Jw 1475', Rc 1770', Rsh 2130', Rm 2215', Pk 2820', Pco 2900'.	10,000 MCFG containing CO ₂ & He. Show at 1940-45', 2155-65', 2845', 2970'.	3,270?	Abd
NWNE 2-20S7E	P	Anderson & Brockbank (Inter-mtn. Nat. Gas Co.) Sorenson #1	Clawson	2-7-54	5950	Mancos	?		Gas show of 47-50 MCFG.	1,457	P&A
20S10E	Pu	J. A. Carrol #1	San Rafael	1921	?	Jurassic	Jurassic			300	Abd
24-20S11E	?	Old Emery Oil Co. #1	San Rafael	10-7-22	?	Moenkopi	Moenkopi			480	Abd
29-20S12E	P	San Rafael Oil Co. #1	San Rafael	1921	?	?	?			190	Abd
9-20S14E	Pu	Burns #1	Desert	1899	4500	Morrison	Navajo?			1,490	Abd
SENW 5-21S9E	Pu	Leonard Petroleum Co. #1	Salt Wash	7-7-21	?	Carmel	Carmel			480	Abd
SENW 8-21S9E	Pu	Leonard Petroleum Co. #1	Salt Wash	5-7-22	5500?	Carmel	Moenkopi	Jca surface, Jn 690', Rc 1915', Rsh 2105', Rm 2230'.		2,790	Abd
NWSW 8-21S9E	Pu	Utah Oil Refining Co. #2	Salt Wash	2-7-22	?	Carmel	Coconino			20	Abd
27-22S12E	Pu	H. A. Schweikbart #1	San Rafael	9-12-21	?	Moenkopi	?			150	Abd
SESE 5-22S15E	Pu	California-Utah Oil Co. #1	Green River	1899	4500?	Mancos	L. Entrada or U. Carmel		Show oil 1600'. Show gas and oil Jo ? 1100'.	1,600	Abd
C SENW 28-22S15E	Pu	Equity Oil Co. #1	Horse Bench	1-12-52	4400	Morrison	Mississippian	Jca 1385', Jn 1565', Rc 2530', Rsh 2730', Rsi 3255', Pco 3559', Cph 4280', Cpp 6040', Cm 7860'.	Several DSTs. 6-10 bbls. oil 45° API 5916-32'.	8,134	P&A
SWNE 21-22S16E	P	W. P. Whisnant #1	Green River	9-20-43	4012	Jurassic	Jurassic			435	Abd
SWSW 22-23S11E	Pu	Standard Oil Co. of Calif. #1	San Rafael	10-28-36	6500?	Kaibab	Mississippian			2,285	Abd

Note: Wells for each county are "spotted" on the accompanying map.

Note: For abbreviated legend data see explanation before tables.



REMARKS: *Geologic Formations: Se孚se - Mancos Bottom - ?*
See show of 47-50 MCFG

(No File)

DATE FILED **Prior OGCC**
 LAND: FEE & PATENTED **X** STATE LEASE NO. PUBLIC LEASE NO. INDIAN
 DRILLING APPROVED: **Prior OGCC**
 SPUDDED IN:
 COMPLETED:
 INITIAL PRODUCTION:
 GRAVITY A. P. I.
 GOR:
 PRODUCING ZONES:
 TOTAL DEPTH: **1457'**
 WELL ELEVATION: **5950'**
 DATE ABANDONED: **2-?-54 - P+A ✓**
 FIELD OR DISTRICT: **Clawson**
 COUNTY: **Emery**
 WELL NO. **SORENSEN # 1**

LOCATION: FT. FROM (N) (S) LINE. FT. FROM (E) (W) LINE. **NW NE** QUARTER - QUARTER SEC. **2**

INTERMTN. NAT. GAS CO. **2**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
54 20 S	7 E	2	ANDERSON & BROCKBANK				

QUEST. - MIKE

FOSSIL FUELS, INC.

Gas/Oil Exploration & Development

JIM KNIGHT
 (801) 966-1289
 5199 HUNTINGTON RD.
 SALT LAKE CITY, UTAH 84118

OFFICE
 P.O. BOX 459
 FERRON, UTAH 84523

August 18, 1983

Fossil Fuels, Inc.
P. O. Box 459
Ferron, Utah 84523

RE: Well No. Sorenson #1-2
NWNE Sec. 2, T. 20S, R. 7E
122.75' FNL, 1808.89' FEL
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. Offset drilling privileges of equal distance from the boundary separating Section 2 and Section 35 to the North shall be extended to the offsetting lease holder to the North.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-015-30173.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
Encl.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: FOSSIL FUELS, INC.

WELL NAME: Sorenson #1-2

SECTION NWNE 2 TOWNSHIP 20S RANGE 7E COUNTY Emery

DRILLING CONTRACTOR Frontier Drilling

RIG # 3

SPUDED: DATE 8-18-83

TIME 5:00 PM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Jim Knight

TELEPHONE # 966-1289

DATE 8-25-83 SIGNED AS

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED
AUG 29 1983

**DIVISION OF
OIL, GAS & MINING**

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number SORENSEN 1-2 API NO. 43-015-30173

Operator FOSSIL FUELS INC. Address Box 457 Ferron, UT, 84523

Contractor Frontier Drilling Address GRAND Junction, Colo.

Location NW 1/4 NE 1/4 Sec. 2 T. 20 S R. 7 E County EMERY

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continue on reverse side if necessary)

Formation Tops MANCOS SHALE 0 FT to 1260 FT Ferron Sandstone 1260 FT to 1357 FT

Remarks

NO WATER ENCOUNTERED DURING Drilling

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

WELL HISTORY OF SORENSON #1-2

The Sorenson #1-2 well, along with the Tidwell #1A and the Baldwin #1, (both of the latter are in Section 35, T19S, R7E directly to the North. See Fig. 1) were drilled in the early 1950's prior to the inception of the Division of Oil, Gas and Mining. These wells evidently were drilled in conformance with spacing requirements of that time. Skimpy records are available for work done during drilling, completion and shut in, although the Baldwin and Tidwell records show a very unorthodox method of completion, i.e., open hole completion with a packer set above production zone using regular line pipe in lieu of tubing and then the packer and pipe cemented in place with an unknown amount of cement. Logs and/or Drillers Report of formations encountered and depths of production zones are unknown or unavailable.

In regards to the two Section 35 wells, several letters exist in the State Files demanding that, among other people concerned, Mr. Baldwin (involved in the company "Carbon-Emery Energy" as well as the person who drilled the wells) properly plug and abandon the wells which has not been done as of this date.

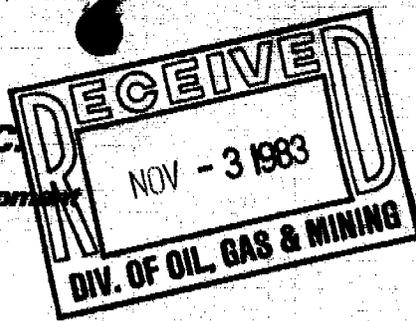
The third of these wells, the Sorenson #1-2, was listed in the State Records as P. & A. in 1954, (See Fig. 2) although Fossil Fuels discovered the well to be shut in, live and producible in the summer of 1983, but in a rather dangerous condition with a very corroded swedge nipple, leaky valve and under a barrel which seemed to be used for target practice by local people who use the area as a gun range. We made a flow test on the well in June and determined from a 4 point test that the flow was 180 MCF/D (This test proved to be inaccurate and a 24 hour test was made to arrive at a more reasonable 60 MCF/D). At this time, we obtained a farmout on the acreage surrounding the well and made application to re-enter the well. Due to the fact that the well was plugged and abandoned, and from suggestions from the staff at the Division of O.G. & M., we applied for drilling of the well as a wildcat and proceeded to work on the well with the intent of providing the State with required information which was lacking and to assume the P. & A. responsibilities for the well. The well is being tested at this time and appears to have picked up flow capabilities after a frac, as well as sizeable amounts of water. A completion report is only lacking in a good test of the well's capabilities and is delayed only insomuch as we are trying to dry up the well for a better test.

Also of historical interest in this well, is the July, 1957, report and order (Fig. 3) "Cause No. 7" of the "Oil and Gas Conservation Commission." Cause No. 7 established drilling and spacing units for the Ferron Sandstone gas producing zones for a large area to the South of the Sorenson #1-2 well. Part of this order established the South

1/2 of Section 2 as a drilling unit (Fig. 4), with the "permitted well location" being the NE/SW. It is interesting to note that W. Hughes Brockbank and Earl O. Anderson (representing Intermountain Oils and Intermountain Gas, Co.) were in attendance at the Cause No. 7 hearing, making an appearance for the cause. The before-mentioned company being the operator of the well at that time (see fig. 2), with the above three wells having been drilled prior to this hearing. We are curious as to why the North 1/2 of Section 2 and all of Section 35 were not included in this order.

Emerg
Sec 2 20S 7E
Sorenson #1-2

FOSSIL FUELS, INC.
Gas/Oil Exploration & Development
P.O. BOX 450
FERRON, UTAH 84523
(801) 384-3220



STATE OF UTAH
DIV. OF OIL, GAS & MINING
400 STATE OFFICE BLDG.
S. L. C. UTAH

10-2-83

AHN: NORMAN STOUT.

SUBJECT: SORENSON #1-2 well
API # 43-015-30173

DEAR NORM:

ENCLOSED PLEASE FIND 1 set each of three logs
TAKEN IN THE SUBJECT WELL DURING OUR RECENT
PROGRAM ON THE WELL.

OUR COMPLETION REPORT THAT SHOULD FOLLOW SOON
WILL ADD ADDITIONAL INFORMATION REGARDING THIS
~~OLD WELL~~

BEST REGARDS

FOSSIL FUELS, INC.

James A Knight
JAMES A. KNIGHT,
MANAGER OF EXPLORATION

EXHIBIT A
SORENSEN # 1-2



Flaring Ferron Re-Entry Well, 540psi. valve open @ 1/4

FOSSIL FUELS, INC.

Gas/Oil Exploration & Development

P.O. BOX 459
FERRON, UTAH 84523
(801) 384-3220

November 7, 1983

Diane Nielson, Director
Division of Oil, Gas & Mining
4th Floor
Utah State Office Bldg.
Salt Lake City, Utah 84114

Att: Board of Oil, Gas & Mining

Subject: Drilling and Spacing Units Surrounding Wildcat Well,
Sorenson #1-2

Chairman Henderson and Board Members:

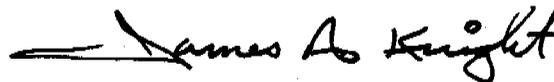
This packet of information has been put together for your preview and consideration of Fossil Fuels, Inc.'s request per our letter of 11-4-83, for establishing of drilling and spacing units for the gas pool associated with the Ferron Sandstone test well, Sorenson #1-2, located in the NW 1/4 of the NE 1/4 Section 2, Township 20 South; Range 7 East, Emery County, Utah.

After due consideration of the following information, Fossil Fuels, Inc. requests that the Board designates 160 acre spacing in this area with a 2500 minimum distance between any future gas wells.

We, at Fossil Fuels, appreciate your time and efforts in this matter and will be pleased to obtain any other information that you may feel is necessary.

Best Regards,

FOSSIL FUELS, INC.



James A. Knight
Manager of Exploration

JAK: gpk
Encs.

OUTLINE

REQUEST FOR DRILLING & SPACING ORDERS
SORENSEN #1-2

1. Well History of Sorenson #1-2

- Fig. 1 Map of wells arround Sorenson #1-2
- Fig. 2 Copy of States File Card, Sorenson #1-2
- Fig. 3 Cause #NO-7
- Fig. 4 Section 2 showing cause #7 drilling Unit

11. Background & Reasoning Behind This Request

- Fig. 5 General Rules & Regulations, Paragraph 40-6-6
- Fig. 6 General Rules & Regulations Rule C
- Fig. 7 General Rules & Regulations, Definitions
- Fig. 8 Calculations and Drawings regarding Rule C-3 (b)

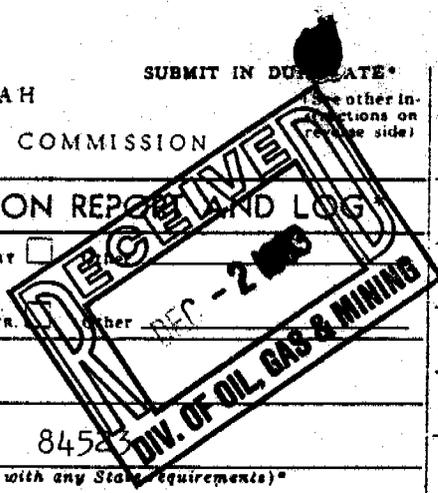
111. Reasoning For 160 Acre Spacing Request.

- Fig. 9 Leaseholders N 1/2 Section 2

SUBMIT IN DUPLICATE*

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG



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

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

2. NAME OF OPERATOR
Fossil Fuels, Inc.

3. ADDRESS OF OPERATOR
P. O. box 459 Ferron, Utah 84501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface NW/NE Sec 2; T20 S.; R7 E. S.L.M.
At top prod. interval reported below
At total depth 122' FNL & 1809' FEL

5. LEASE DESIGNATION AND SERIAL NO.
Free & patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
Sorenson 1-2

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NW/NE Sec. 2 20S-7E

14. PERMIT NO. 43-015-30173 | DATE ISSUED Aug. 18, 1983

12. COUNTY OR PARISH Emery

13. STATE Utah

15. DATE SPUNDED 8-18-83

16. DATE T.D. REACHED 8-19-83

17. DATE COMPL. (Ready to prod.)

19. ELEVATIONS (DF, BBL, RT, GR, ETC.)* 5960' GR; 5961 DF

19. ELEV. CASINGHEAD 5960'

20. TOTAL DEPTH, MD & TVD 1506' DRLR

21. PLUG. BACK T.D., MD & TVD 1431' CSG

22. IF MULTIPLE COMPL. HOW MANY*

23. INTERVALS DRILLED BY 10 - 1506'

23. INTERVALS ROTARY TOOLS

23. INTERVALS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Ferron S.S. 1267' -1276' & 1319' -1335'

25. WAS DIRECTIONAL SURVEY MADE
no

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual induction guard; compensated density dual spaced neutron; micro -seismogram

27. WAS WELL CORSD
no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT POLLED
7"	?	1262'	? set in	original drilling -	1954 none
4 1/2"	9.5 #	1431'	6 1/2"	49 sac; 2sac calcium	none

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	1335'	* 1295'

* for test of lower zone - to be removed.

31. PERFORATION RECORD (Interval, size and number)

1267' -1276' w/18 shots (1/2" diam.)

1319' -1335' w/32 shots (1/2" diam.)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1267' - 1276'	15,000 gal. 75 qual. foam
1319' -1335'	20,750 # 20-40 sand
	10 Bbl/min. @ max. 1825 psi
	20 balls at mid point

33. PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
flowing

WELL STATUS (Producing or shut-in)
shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	WATER—BBL.	GAS-OIL RATIO
11/29/83	24	1/4"		top zone 41	trace	
				lower zone 34		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
16/12			-	75	trace	

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

TEST WITNESSED BY
Marinoni

35. LIST OF ATTACHMENTS

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

SIGNED James A. Knight TITLE Manager of Exploration DATE 12-1-83

*(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.), annotations 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 PERMEABILITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERY		38. GEOLOGIC MARKERS	
FORMATION	DESCRIPTION, CONTENTS, ETC.	NAME	NEAR. DEPTH TOP TRUS VERT. DEPTH
	<p>* Note: 7" casing set in 1954 was set to 1262' from this point on down is the Ferron S.S. it can not be determined how far if any that the casing penetrated the Ferron.</p>	<p>Mancos Sh. Ferron S.S.</p>	<p>surface *1262</p> <p>5960' *4698</p>

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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Fossil Fuels, Inc.</p> <p>3. ADDRESS OF OPERATOR P. O. Box 459; Ferron, Utah 84523</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/NE Sec. 2, T20S, R7E 122' FNL; 1809' FEL</p> <p>14. PERMIT NO. 43-015-30173</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee & patented</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. Sorenson # 1-2</p> <p>10. FIELD AND POOL, OR WILDCAT</p> <p>11. SEC., T., R., N., OR S.E. AND SURVEY OR ABBA Sec. 2, 20S, 7E</p> <p>12. COUNTY OR PARISH 13. STATE Emery Utah</p>
<p>15. ELEVATIONS (Show whether DF, ST, GR, etc.) 5960' GR</p>		

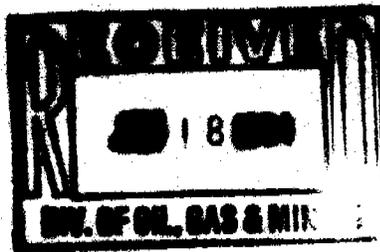
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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

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

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

Continuing blow down of lower zone to determine if water will subside to a producable level.



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

SIGNED James D. Knight TITLE Exploration manager DATE 1-13-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Fossil Fuels, Inc.</p> <p>3. ADDRESS OF OPERATOR P. O. Box 459; Ferron, Utah 84523</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/NE Sec. 2, T20S., R7E. 122' FNL; 1809' FEL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee & Patented</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. Sorenson # 1-2</p> <p>10. FIELD AND POOL, OR WILDCAT</p> <p>11. SEC., T., S., M., OR BLM. AND SURVEY OR AREA Sec. 2; 20S; 7E</p> <p>12. COUNTY OR PARISH 13. STATE Emery Utah</p>
<p>14. PERMIT NO. 43-015-30173</p>	<p>15. ELEVATION (Show whether OF, BT, OR, etc.) 5960' GR</p>	

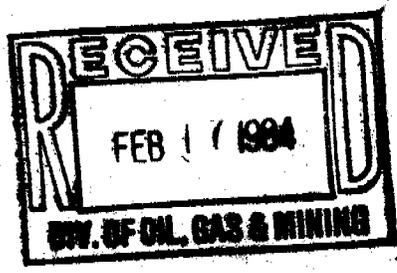
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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

(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.)*

Testing complete. Lower zone tested at aprox. 95 MCF/D with 60 BBL/D of water.
Well shut in pending sale of gas and determination of water disposal method and permits.



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

SIGNED *Michael P. Knight* TITLE Corp. Secretary DATE 2 - 14 - 84

(This space for Federal or State office use)

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

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 [] GAS WELL [X] OTHER []
2. NAME OF OPERATOR FOSSIL FUELS, INC.
3. ADDRESS OF OPERATOR P.O. Box 459 Ferron, Utah 84523
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements. See also space 17 below.) At surface NW/NE Sec. 2; T.20S.; R.7E. S.L.B.M. 122' FNL & 1809' FEL
5. LEASE DESCRIPTION AND SERIAL NO. FEE AND PATENTED
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. NAME OF LEASE HOLE
9. WELL NO. SORENSON 1-2
10. FIELD AND POOL, OR WILDCAT FERRON
11. SEC., T., R., N., OR S.E., AND SURVEY OR AREA NW/NE Sec. 2; 20S-7E
12. COUNTY OR PARISH; 13. STATE Emery Utah
14. PERMIT NO. 43-015-30173
15. ELEVATIONS (Show whether DT, RT, GR, etc.) 5960' GR;

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [], FULL OR ALTER CASING [], MULTIPLE COMPLETE [], ABANDON* [], CHANGE PLANS []
SUBSEQUENT REPORT OF: WATER SHUT-OFF [], REPAIRING WELL [], ALTERING CASING [], ABANDONMENT* [], (Other) Temp. Close of Bottom Zone []
(Notes: 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.)
4-13-84 Rig up and kill well.
4-19-84 Pulled tubing, tripped in with the Halliburton compression packer containing bull plug on bottom and perforated 2 & 3/8 tube above. Secured well head and blew in well with rig air. Tested 50 MCF/D. Determined from kill that upper zone did not take the FRAC.
4-28-84 Killed well and pulled tubing; tripped in with 4 & 1/2" speedline (REF. 7303.01) non-retrievable bridge plug, and set at 1300' to 1301', placed 1 bag cement above plug. Set tube to 1240.76 open end. Waiting for FRAC.

RECEIVED

MAY 25 1984

DIVISION OF OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED James A. Knight TITLE Manager of Exploration DATE May 1, 1984
(This space for Federal or State office use)

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



THOMAS E. WOLTER & ASSOCIATES, INC.
 PETROLEUM CONSULTANTS

May 29, 1984

Quest Energy
 175 South West Temple
 Salt Lake City, UT 84101
 Attn: Mr. Mike Williams

RE: Sorenson Well 1-2
 Emery County, Utah

Drove to location with Mike Williams. Arrived on location at 10:15 a.m. Western finished rigging up and tested lines to 5000 psi. Blew well down to pit. Made dry gas. Flow rate not measured. Attempted to pump into perforations from 1266'-74' with 80% quality pad. Pressure increased to 2400 psi at 6 BPM. Pressure dropped to 2000 psi. Frac'd well down 2-3/8" tubing as follows:

TIME	TREATING TUBING	PRESSURE CASING	CUM. BARRELS PUMPED	INJECTION LIQUID	RATE TOTAL	REMARKS
10:40 am	400	400				Start Pad
11:00	2000	1300	24	1.6	8	Start 20/40 @ 1/2 #/gal.
11:02	2000	1300	29	1.7	8	Start 20/40 @ 1 #/gal.
11:06	2000	1300	35	1.9	8	Start 20/40 @ 2 #/gal.
11:11	1900	1350	45	2.1	8	Start 20/40 @ 3 #/gal.
11:15	1800	1200	53	2.4	8	Start Flush
11:16	1800	1200	54	2.4	8	Job Complete

Average Injection Rate: 8 BPM
 Treating Pressure: 1800 psi min. 2400 psi Max.
 ISDP: 1,400 spi
 15 min. SIP: 1000 psi
 7500 lbs. 20/40 mesh sand
 9707 gallons 80% Quality Foam
 54 bbls. fluid to recover

Opened well to pit through Western's lines. Cut out valve. Flowed well for four hours. Well making gas and frac liquid. Left well flowing to pit overnight.

THOMAS E. WOLTER & ASSOCIATES, INC.

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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Fossil Fuels, Inc.</p> <p>3. ADDRESS OF OPERATOR P.O. Box 459 Ferron, UT 84523</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/NE Sec. 2; T.20S, R.7E S.L.B.M. 122' FNL & 1809' FEL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee & Patented</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. Sorenson #1-2</p> <p>10. FIELD AND POOL, OR WILDCAT</p> <p>11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA NW/NE Sec. 2; 20S-7E</p> <p>12. COUNTY OR PARISH 13. STATE Emery Utah</p>
<p>14. PERMIT NO. 43-015-30173</p>	<p>15. ELEVATIONS (Show whether OP, RT, OR, etc.) 5960' GR</p>	

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

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

(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.)*

Completed Frac as verbally advised Ron Firth:

5/29/84 2400 psi Frac, 9707 Gal. 80% Quality foam, 7500 Lb. 20/40 Mesh sand, 54 bbls fluid to recover.
Engineers report attached.

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

SIGNED James A. Knight TITLE Manager of Exploration DATE June 11, 1984

(This space for Federal or State office use)

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

RECEIVED

an equal opportunity employer

SEP 27 1984

2401 East 2000 South, Salt Lake City, Ut. 84114 • 801-533-5771

Page 1 of 1

DIVISION OF OIL
GAS & MINING

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

FOSSIL FUELS INC
P O BOX 459
FERRON UT 84523
ATTN: PRODUCTION DEPT

Utah Account No. N5600

Report Period (Month/Year) 8 / 84

Amended Report

Well Name	Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location	Oil (BBL)	Gas (MSCF)	Water (BBL)
SORENSEN 1-2					
4301530173	00465 20S 07E 2	FRSD			
FOSSIL 1-4					
4301530063	02991 20S 07E 4	FRSD	0	0	0
			ASK FOR SUNDRY CONNIE KNIGHT WILL CALL BACK. 10-25-84 ASK: when sold 8-8-84 need sundry to change operator 363-5614 (Quest)		
SEP 27 1984			0	0	0
TOTAL					

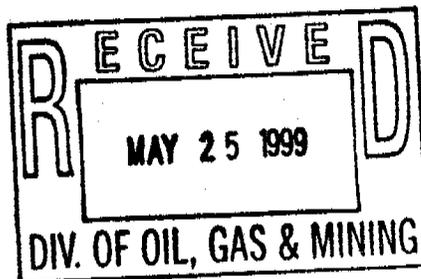
Comments (attach separate sheet if necessary) FOSSIL 1-4 SHUT IN WAITING ON RIG FOR WORK OVER. SORENSEN 1-2, WORKING INTEREST & OPERATOR RIGHTS SOLD TO QUEST ENERGY, 175 W. 200 S. Suite 2004 S.L.C. 24, 84101

I have reviewed this report and certify the information to be accurate and complete.

Date 9-24-84

Authorized signature *[Signature]*

Telephone 801-384-3200



May 21, 1999

Mr. Bob Krueger
State of Utah
Dept. of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801

Re: Shut-in and Temporarily Abandoned Wells Compliance

Mr. Krueger:

Thank you for calling and faxing me the appropriate form. I have completed the form, and am enclosing it with this letter. Please note that I have put an approximate date of October 1, 1999. It has been difficult for me to find a rig to plug the well. That is the reason for the date in October.

If you have any further questions, or if I may be of further assistance regarding this matter, please feel free to call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Michael R. Williams".

Michael R. Williams
President

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:
FEE 43-015-30173

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:
SORENSON 1-2

9. API Well Number:
43-015-30173

10. Field and Pool, or Wellset:

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:
QUEST / INTERLINE

3. Address and Telephone Number:
160 W. CANYON CREST RD., ALPINE, UT. 84004 (801) 756-3031

4. Location of Well NW/NE SEC 2 T20S, R7E S.L.B.M. 122' FNL & 1809' FEL

County: EMERY

State: UTAH

Oil, Gas, T, R, M:

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

11. NOTICE OF INTENT
(Submit in Duplicate)
- Abandon
 - Repair Casing
 - Change of Plans
 - Convert to Injection
 - Fracture Treat or Acidize
 - Multiple Completion
 - Other PLUG
 - New Construction
 - Pull or Alter Casing
 - Recomplete
 - Reperforate
 - Vent or Flare
 - Water Shut-Off

Approximate date work will start OCT. 1, 1999

- SUBSEQUENT REPORT
(Submit Original Form Only)
- Abandon
 - Repair Casing
 - Change of Plans
 - Convert to Injection
 - Fracture Treat or Acidize
 - Other
 - New Construction
 - Pull or Alter Casing
 - Reperforate
 - Vent or Flare
 - Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

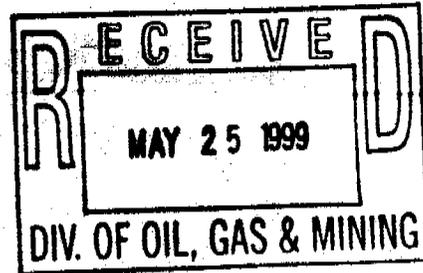
SET 100 FT. BALANCE PLUG 1150-1250 FT., 10 SACKS SET SURFACE PLUG AND PULL TUBING.
CLEAN UP LOCATION.

APPROVED *

COPY SENT TO OPERATOR
Date: 5-26-99
Initials: CRD

The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

Date: 5-26-99



13. Name & Signature: Murray R. Miller Title: Pres. Date: 5/21/99

(This space for State use only)

* See attached conditions of approval



State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
Oil and Gas Program

Conditional Approval of Notice of Intent to Abandonment Well

API Well Number: 43-015-30173
Well Name and Number: Sorenson 1-2
Name of Operator: Quest/Interline
Sundry Receipt Date: May 25, 1999
Date/Initials: 5-26-99/RJK

The Division based on the following general and specific conditions approves the submitted Sundry Notice for Well Abandonment:

GENERAL CONDITIONS

- A. Operator shall conduct all plugging and abandonment work in accordance with Utah Administrative Code R649-3-24 (copy attached).
- B. Operator shall notify the Division at least 72 hours prior to initiating field activities.
- C. Within 30 days following completion of the abandonment, Operator shall submit a subsequent report to the Division detailing the following:
 - 1. An account of plugging and casing removal procedures, specifications and quantities of all materials and equipment used, and the depths of all plugs installed;
 - 2. Records of any tests conducted or measurements collected; and,
 - 3. Amounts, type, and condition of casing removed and location and type of casing left in the well.
- D. Bond release may be jeopardized by variation from conditions described herein.

SPECIFIC CONDITIONS

- A. A balanced cement plug shall be set from 1,250' to 1,150' (approximately 10 sacks).
- B. Allow cement to set and tag plug. Load hole with non-corrosive gel slurry.
- C. Perforate 4 ½" casing at 100' and circulate cement to surface. (Alternative – load annulus between 7" and 4 ½" casings using small diameter tubing from 100' to surface)
- D. Set a surface cement plug from 100' to surface inside 4 ½" casing .
- E. Erect State of Utah specification dry hole marker.
- F. Clean location per landowners requirements.

By: , Petroleum Engineer

FORM 8

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL GAS OTHER:

2. Name of Operator: QUEST / INTERLINE

3. Address and Telephone Number: 160 W. CANYON CREST RD., ALPINE, UT. 84004 (801) 756-3031

4. Location of Well NW/NE SEC 2 T20S, R7E S.L.B.M. 122' FNL & 1809' FEL

County: EMERY
State: UTAH
Oil Sec. T.R.M.:

5. Lease Designation and Serial Number:

FEE 43-015-30173

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

SORENSEN 1-2

9. API Well Number:

10. Field and Pool, or Wildcat:

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

NOTICE OF INTENT
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other PLUG
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start OCT. 1, 1999

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other _____
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

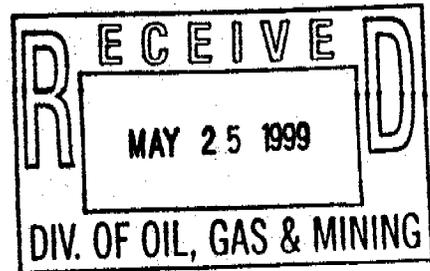
* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all surface and zones pertinent to this work.)

SET 100 FT. BALANCE PLUG 1150-1250 FT., 10 SACKS SET SURFACE PLUG AND PULL TUBING.
CLEAN UP LOCATION.

APPROVED *
The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

Date: 5-26-99



13. Name & Signature: Robert J. Krueger

Title: PECS

Date: 5/21/99

(This space for State use only)

* See attached conditions of approval