

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief *PMB*
Approval Letter *7-14-69*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *10-23-69*
W..... WW..... TA.....
SW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log *10-31-69*
Electric Logs (No.)
..... I..... Dual I Lat..... GR-N..... Micro.....
..... Sonic CR..... Lat..... Mi-L..... Sonic.....
CLog..... CCLog..... Others..... *Stratigraphy*

Density

DME
10-18-91

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
 Alpine Oil Company, Inc.

3. ADDRESS OF OPERATOR
 1028 Patterson Building, Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 660' from N. line and 3300' from W. line, Sec. 2
 At proposed prod. zone
 same
or 1980' ↗

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 10 miles SE of LaSal Junction, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 660

16. NO. OF ACRES IN LEASE
 Unit 3829 ac

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

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

19. PROPOSED DEPTH
 10800

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6615 Grd.

22. APPROX. DATE WORK WILL START*
 July 25, 1969

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8 ✓	48#	250	300 sacks ✓
12 1/4	8 5/8 ✓	24#	2000	250 sacks ✓
7 7/8	5 1/2 ✓	17# ✓	10800 ✓	300 sacks ✓

Plan to drill a McCracken (Devonian) test and to evaluate with logs, cores and tests. If warranted, 5 1/2" production casing will be run or the well will be plugged and abandoned all in accordance with the rules and regulations of the U. S. G. S. and the State of Utah. B. O. P. will be used at all times while drilling below surface pipe. ✓

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.

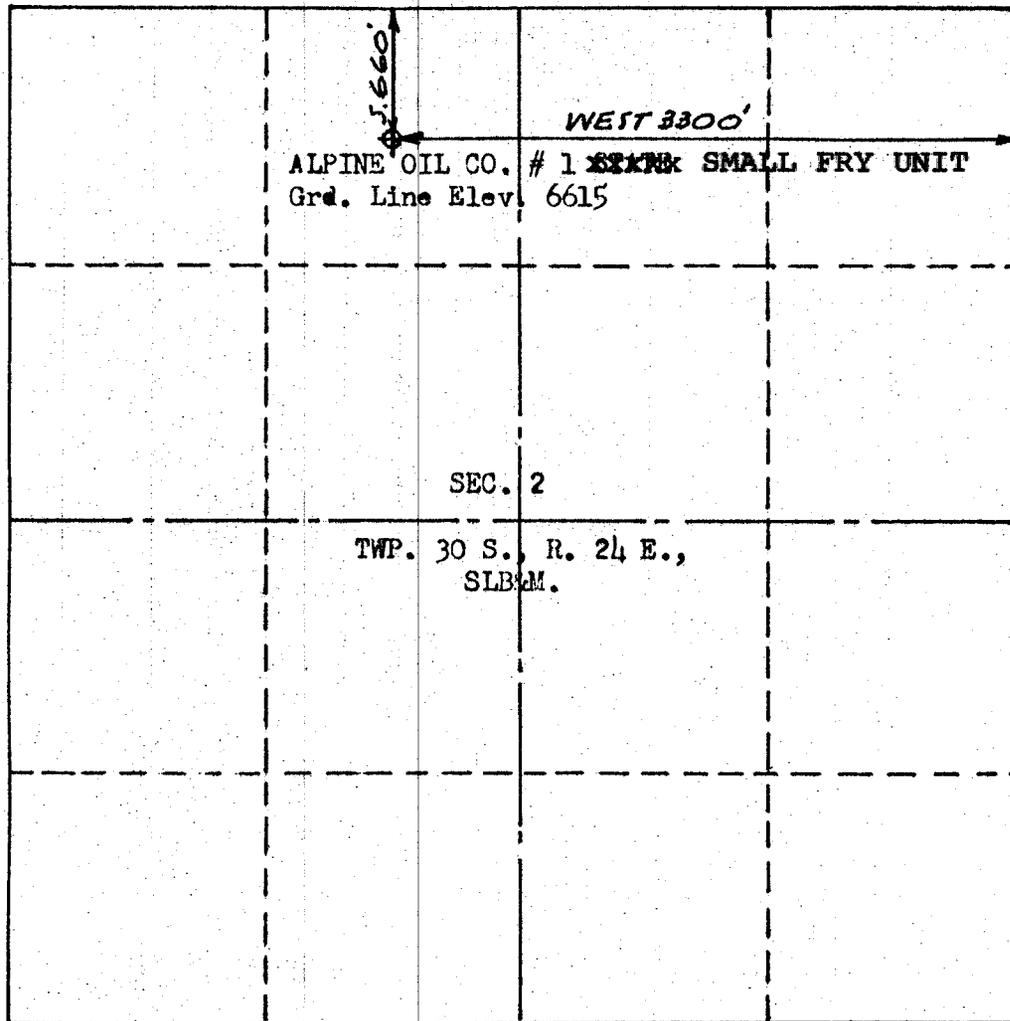
24. SIGNED Robin J. Corbett TITLE Petroleum Engineer DATE July 12, 1969

(This space for Federal or State office use)

PERMIT NO. 43-037-30041 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



SCALE: 1"=100'

SURVEYORS CERTIFICATE

I, GEORGE H. NEWELL, A REGISTERED LAND SURVEYOR AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH AND HOLDING CERTIFICATE NO. 1770, CERTIFY THAT THIS PLAT SHOWING A WELL LOCATION MADE BY ME AND MORE SPECIFICALLY DESCRIBED AS FOLLOWS:

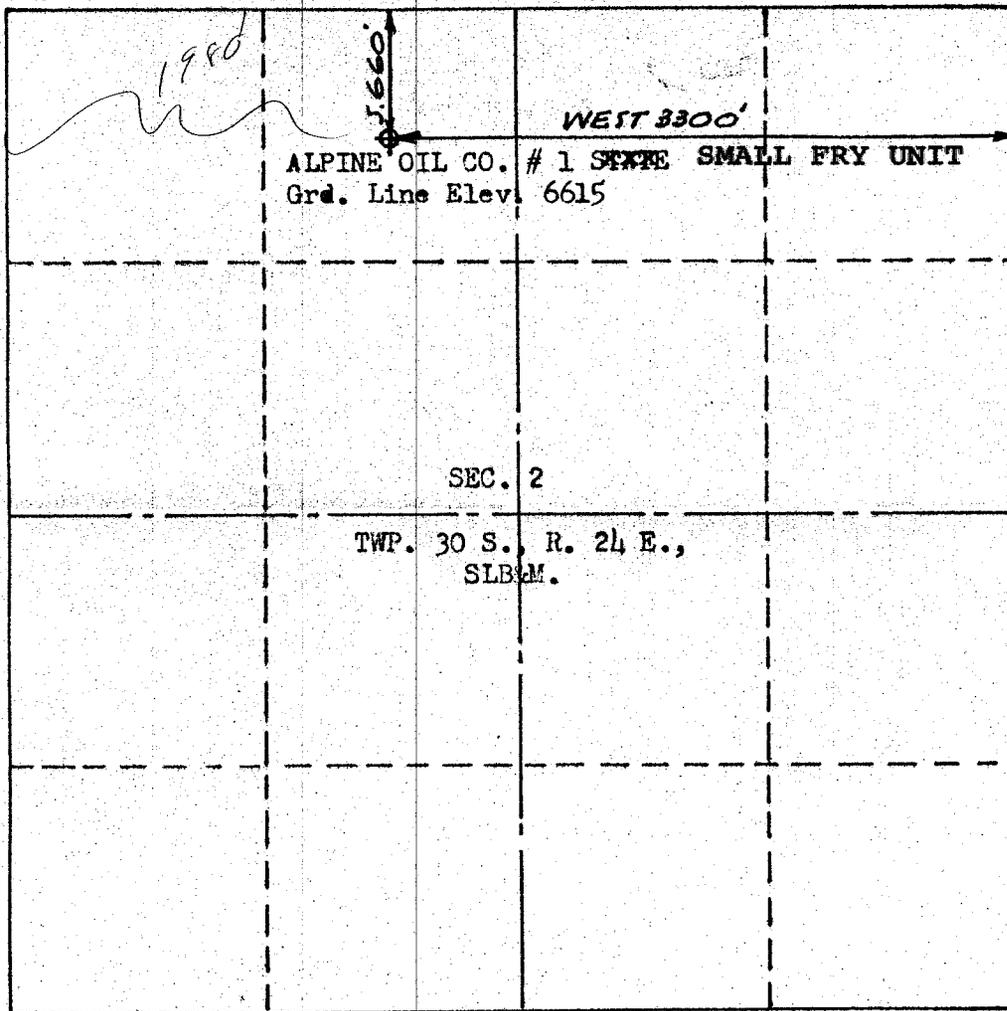
SMALL FRY UNIT
 ALPINE OIL COMPANY # 1 ~~STAR~~. 660 FEET FROM THE NORTH LINE AND 3300 FEET FROM THE EAST LINE OF SECTION 2, T. 30 S., R. 24 E., SLB&M. GROUND LINE ELEVATION 6615.

IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE JULY 2, 196

George H. Newell
 GEORGE H. NEWELL





SCALE: 1"=100'

SURVEYORS CERTIFICATE

I, GEORGE H. NEWELL, A REGISTERED LAND SURVEYOR AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH AND HOLDING CERTIFICATE NO. 1770, CERTIFY THAT THIS PLAT SHOWING A WELL LOCATION MADE BY ME AND MORE SPECIFICALLY DESCRIBED AS FOLLOWS:

SMALL FRY UNIT
 ALPINE OIL COMPANY # 1 ~~STATE~~ 660 FEET FROM THE NORTH LINE AND 3300 FEET FROM THE EAST LINE OF SECTION 2, T. 30 S., R. 24 E., SLB&M. GROUND LINE ELEVATION 6615.

IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE JULY 2, 1960

George H. Newell
 GEORGE H. NEWELL



July 14, 1969

Alpine Oil Company, Inc.
1028 Patterson Building
Denver, Colorado

Re: Well No. Small Fry Unit State #1
Sec. 2, T. 30 S, R. 24 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted.

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

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890 - Salt Lake City
OFFICE: 328-5771

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your co-operation with respect to completing this form will be greatly appreciated.

Alpine Oil Company Inc.
July 14, 1969
Page 2

The API number assigned to this well is 43-037-30041 (see Bulletin D-12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
Enclosures

cc: U.S. Geological Survey
Rod Smith
8416 Federal Building
Salt Lake City, Utah 84111

P. O. Box 1809
Durango, Colorado 81301

August 18, 1969

Alpine Oil Company, Inc.
1028 Patterson Building
Denver, Colorado 80202

Gentlemen:

Office records indicate that the Small Fry unit in San Juan County, Utah, was approved by the U. S. Geological Survey effective July 29, 1969. Even though the No. 1 Small Fry Unit well is located on State land, it is within the unit and is now under joint jurisdiction of the U. S. Geological Survey and the Utah Division of Oil and Gas Conservation.

Since the well is within the defined Lisbon Potash known geologic structure, you are requested to run a gamma ray-neutron or gamma-sonic log to determine the presence of commercial potash deposits. If commercial deposits of potash are present, you will be required to run a directional survey to a point 100 feet below the deepest commercial potash zone to determine the exact location where the bore hole cuts the potash beds. You may wish to negotiate with the potash lessee concerning financial support for these special stipulations.

You are requested to advise this office in sufficient time that we may witness the logging of the Paradox salt section. Also, if the salt section is drilled with mud, you are requested to use a salt-saturated drilling fluid to prevent enlargement of the bore hole by solution.

Sincerely yours,

(Orig. Sgd.) J. W. LONG

Jerry W. Long
District Engineer

cc:

Roswell
Utah Div. of Oil & Gas Cons., Salt Lake City
Br. of Mining Operations, Salt Lake City
File (2)

J.W.Long:mka

1588 West North Temple
Salt Lake City, Utah 84116

328-5771

September 9, 1969

Alpine Oil Company
1028 Patterson Building
Denver, Colorado 80202

Re: Well No's: Small Fry Unit #1
Sec. 2, T. 30 S, R. 24 E,
Navajo #1,
Sec. 9, T. 40 S, R. 26 E,
San Juan County, Utah

Our records indicate that you have not filed a Monthly Report of
Operations for the months mentioned above for the subject well. Rule
C-22 (1), General Rules and Regulations and Rules of Practice and
Procedure, Utah State Division of Oil and Gas Conservation requires
that said reports be filed on or before the sixteenth (16) day of the
succeeding month. This report may be filed on Form OGC-1b, (U. S.
Geological Survey Form 9-331, "Sundry Notices and Reports on Wells"),
or on company forms containing substantially the same information. We
are enclosing forms for your convenience.

Your immediate attention is required in this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

sc

Enclosures: Forms OGC-1b

ALPINE ASSOCIATES, LTD. - 1969

Well <u>Small Fry Unit #1</u>	Operator <u>Alpine</u>
County <u>San Juan Co., Utah</u>	Contractor <u>Loffland</u>
Prospect <u>North Lisbon</u>	Geologist <u>Monte Swetnam</u>
Location <u>NE/NW Sec. 2, 30S, 24E</u>	Elev. <u>Gr.-6615', KB-6627'</u>
<u>Proposed depth 10,800' McCracken Test (Devonian)</u>	

Interested Parties:

Kimbark Associates - 388-4021 (Jan) 288 Clayton Street Denver, Colorado 80206	Union Oil Company of California Lincoln Tower Building Denver, Colorado 80203 Att: George H. Feister
Union Oil Company of California P. O. Box 3372 (C. Harr-Call Mon. a.m.) Durango, Colorado 81302 - 1-247-4300	Jerry W. Long, USGS Dist. Eng. P. O. Box 1809 Durango, Colorado 81301

<u>Date</u>	<u>Depth</u>	<u>Report</u>
7/31		Spud at 5:30 a.m. Spent 12 hrs. yesterday drilling rat hole and mouse hole.
8/ 1		Drill 12½" hole to 270'. Open to 17½". Run 13 3/8" csg. to 255'KB. Cement with 225 sx Class C and 2% CaCl ₂ . Good returns. Plug down at 6:00 a.m. Will WOC 12 hrs. then drill ahead. U.S.G.S. notified of spud and will witness drilling at midnight 8/2 and will extend unit leases.
8/ 2	456'	Made 7 7/8" hole ahead. Trip. @ 4:30 p.m. & at 1:30 a.m. We were drlg. at midnight. Witnessed by USGS.
8/ 3	1185'	
8/ 4	1455'	
8/5	1762'	Drlg. w/Bit #6. Mud 8.9# 32 sec. vis. Dev.-4 3/4°.
8/6	2105'	Dev. still holding at 4 3/4°.
8/7	2389'	Drlg. w/Bit #6. Now Tripping. Dev. @ 2230'=4 3/4°, @ 2317'=5 1/4°. Plan to pull bit immed. & pick up a "woodpecker" collar to straighten hole before salt est. @ 3090+. Mud logger on well @ 1,000'.
8/8	2545'	Dev. @ 2480 & @ 2593 = 5°. Ran a woodpecker collar on trip @ 2389' to attempt to straighten hole. No results as yet. Plan to increase hole to 8 5/8".
8/11	2881'	Dev. 6½° @ 2860'. Drlg. 6 to 7 min/ft. Upper Hermosa formation. NS.
8/12	3022'	Drlg. w/Bit #11. Put a stabilizer in the hole 60' above the bit on a trip at 2950. Dev. 6¼° @ 2950'. Hope to hold this angle or drop it a bit before estimated casing seat at 3050'. Upper Hermosa. Made 141'. Drlg 6 to 8 min/ft. NS.
8/13	3196'	Drlg. in Paradox Formation. Top of Paradox - 3123'. Plus 52' to Pure #1 NW Lisbon State, Sec. 2. Plus 976' to Pure #2 USAC Sec. 3. Made 174' on 8/12/69. Expect to log at 3250'. Should be logging late aft. 3/13/69. Dev. at 2950 - 6½°. Placed stabilizer 60' above bit. Drld. heavy chert section before next trip. Dev. @ 3018'= 7½° (probably caused from drilling chert). Laid down centralizer. Dev. @ 3100' = 7°.

Well Small Fry Unit #1
County San Juan Co., Utah

Operator Alpine

8/14 3276' Dev.=6°. Running DST #3. 3225-3276 20 - 320 units on mud log. Tan dolomite. Paradox "A". DST #3 - 3170-3277. Rec. 120' mud. NS. Op. 15, SI 60, Op. 60, SI 60.

	Upper	Lower
IHP	1476	1541
1st IFP	27	80
1st FFP	27	93
1st ISIP	568	612
2nd IFP	27	80
2nd FFP	53	107
2nd FSIP	568	612
FHP	1449	1541

Weak blow. No gas to surface. To drill 20 or 30' to a shale break and run dual induc. laterolog, BH Comp. Sonic, also amplitude sonic for frac.

8/15 3296' Reaming 11" hole @ 360'. Prep. to run 8 5/8". Ran dual induction, GR-Sonic, Density & Directional surveys. Log top: Paradox - 3119 (+ 3509) 2512 - 2517 - 5 ft. of 4% to 5% por.; 62% SW. 2524-2534 - 10 ft. of 4% to 5% por., 100% SW; 3252 - 3255 - 3 ft. betw. 4% & 12% por. betw. 57% & 100% SW.

8/16 Reaming 7 7/8" hole to 11" at 1228'. Using security hole opener reamer.

8/17 Tripping at 1600'. Found the hole opener badly worn on one shank. Laid down the reamer body and picked up 11" bit. Continuing to open hole.

8/18 Tripping at 2103' for another 11" bit. We are taking deviation surveys at same depths as in the old hole to check that all is going well. So far we have duplicated surveys.

8/19 Tripped for 11" bit @ 2405'. Hole deviation and bit wear indicate we are still in the same hole. No trouble reaming w/11" bit. Plan to ream to 2960 & set 8 5/8" csg. (probably tomorrow night).

8/20 Reaming @ 2636' @ 8:00 a.m. Made trip at 2585' for new bit (#12). Both surveys and bit wear indicate we are following the old hole exactly. Plan to run 8 5/8" csg. when we reach 2960'.

8/21 Reaming 11' hole @ 2800'. Dev. & bit wear still indicate we are in old hole. 9.1# 42 sec. vis. 10cc water loss.

8/22 Reamed to 2960'. Circulated to run pipe. Pulled out of hole and started to run 8 5/8" casing.

8/23 Ran 8 5/8" OD 24#/ft. J-55 csg to 2960'. Cemented with 435 sx cement mixed 2% lo-dense followed by 100 sx neat cement. Plug down @ 3:30 p.m. Friday. WOC and nipple up.

8/24 After 24 hrs. WOC, drilled out cement and reamed and drilled to bottom. Stuck pipe for 2 hours. Worked it loose and drilled ahead. Lost circulation at 6 a.m. Sunday at 3378'.

8/25 3393' Mixed lost circulation material and regained circulation. Drilled ahead and lost circulation at 3383'. Regained circulation. Drilled ahead to 3393' and lost circulation. Still attempting to regain circulation.

8/26 3518' Regained circulation at 3396'. Dev. 6 deg. at 3385'. Trip for new bit at 3511. Top of salt 3528. *at*.

8/27 3717' Tripping for new bit. Dev. 6 deg. at 3660' Paradox salt marker 3489' (+3139').

8/28 4195' Drilling in salt. Dev. 5 1/2 deg. at 3817'. Dev. 5 deg. at 4101.

8/29 4633' Drilling in salt. Dev. 4 3/4 deg. at 4433'.

8/30 5093' Drlg. ahead in salt.

8/31 5450' (Approx. depth) Drlg. ahead in salt.

9/ 1 5703' On bottom with new bit. Dev. - 5500' - 3 1/2°. 5695' - 2 1/4°.

9/ 2 6177' Drlg. ahead in salt.

9/ 3 6510' Drlg. Survey at 6203' was 5°.

9/ 4 7028' Drlg. ahead in salt. Will survey on next trip.

9/ 5 7098' Conditioning mud. Starting yesterday morning (9/4/69) @ 6:00 a.m., drilled to 9:45. Made a trip at 7101', dropping survey on the trip. Came out of hole and found the survey read 13 1/4°. Pipe strap showed 17' neg. correction bringing depth back to 7084'. They are not sure it is a proper survey. Plan to check deviation again as soon as hole conditions permit. Cut drill line, cleaned pits and went back to bottom with OVV-type bit. When on bottom, they planned to review the survey, but Loffland in Farmington has to get them a 21° instrument. Drilled to 7098' corrected depth when the well kicked strongly and they had to pick up off bottom and shut the preventers. Well attempted to unload hole full of 10.5# mud. Ran one pit of 11.3# mud and displaced into hole and still had 300 psi on blowout preventers. Ran another pit of 11.8# mud and displaced into hole, by which time pressure had built to 700 psi on preventers. Well commenced to come under control. Increased mud wt. to 12# and well opened and circulated the hole without preventers with 12# mud.

9/ 6 7215' Drld. to 7215. Mixed Bar. to kill off gas in mud. SWACO degasser on mud system since 8:00 p.m. last nite. Pulled out to run Schlumberger directional survey.

9/ 7 7300' Drlg. Schlumberger survey showed gradual build of angle to 14° and then back to 13° @ TD of 7226'. Carrying light weight to bring hole back.

9/ 8 7518' Tripping. Now have to pump survey to bottom because of heavy mud. Survey @ 7518' = 10°. Plan to increase weight on bit and improve penetration rate.

Well Small Fry Unit #1
County San Juan Co., Utah

Operator Alpine

9/ 9 7713' Drlg. in gummy, black shale.

9/10 7894' Drlg. ahead in salt. Will survey on trip today.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Federal Unit

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. UNIT AGREEMENT NAME

Small Fry Unit

8. FARM OR LEASE NAME

Small Fry Unit (State)

9. WELL NO.

Unit #1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 2, T. 30S, R. 24E

SLBM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL GAS WELL OTHER Drilling Well

2. NAME OF OPERATOR
Alpine Oil Co., Inc.

3. ADDRESS OF OPERATOR
1028 Patterson Bldg., Denver, Colorado 80202

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

660' from N Line and 3300' from E Line, Sec. 2

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6615' Grd 6627' KB

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

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

S E E A T T A C H E D

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

SIGNED *Robin J. Carlett*

TITLE Petroleum Engineer

DATE 9/17/69

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

THE STATE OF UTAH
DIVISION OF OIL AND GAS CONSERVATION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

PI 12

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER **Drilling Well**

2. NAME OF OPERATOR
Alpine Oil Co., Inc.

3. ADDRESS OF OPERATOR
1028 Patterson Bldg., Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
660' from N. Line and 1980' from W. Line, Sec. 2

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
6615' Grd 6627' KB

5. LEASE DESIGNATION AND SERIAL NO.
Federal Unit

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Small Fry Unit

8. FARM OR LEASE NAME
Small Fry Unit (State)

9. WELL NO.
~~Wildcat~~ **Unit #1**

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
**Sec. 2, T. 30S, R. 24E
SLBM**

12. COUNTY OR PARISH 13. STATE
San Juan Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	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) _____	

(Other) **Progress Report**

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

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See Attached

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

SIGNED *Jane C. Boy* TITLE Production Clerk DATE Oct. 16, 1969

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ALPINE ASSOCIATES, LTD. - 1969

Well Small Fry Unit #1

Operator Alpine

County San Juan Co., Utah

Contractor Loffland

Prospect North Lisbon

Geologist Monte Swetnam

Location NE/NW Sec. 2,30S,24E

Elev. Gr.-6615', KB-6627'

Proposed depth McCracken Test (Devonian)

Interested Parties:

Kimbark Associates - 388-4021 (Jan)
288 Clayton Street
Denver, Colorado 80206

Union Oil Company of California
Lincoln Tower Building
Denver, Colorado 80203
Att: George H. Feister

Union Oil Company of California
P. O. Box 3372 (C. Harr-Call Mon. a.m.)
Durango, Colorado 81302 - 1-247-4300

Jerry W. Long, USGS Dist. Eng.
P. O. Box 1809
Durango, Colorado 81301

<u>Date</u>	<u>Depth</u>	<u>Report</u>
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		<u>Upper</u>	<u>Lower</u>
	IHP	1476	1541
1st	IFP	27	80
1st	FFP	27	93
1st	ISIP	568	612
2nd	IFP	27	80
2nd	FFP	53	107
2nd	FSIP	568	612
	FHP	1449	1541

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8/15 3296' Reaming 11" hole @ 360'. Prep. to run 8 5/8". Ran dual induction, GR-Sonic, Density & Directional surveys. Log top: Paradox - 3119 (+ 3509) 2512 - 2517 - 5 ft. of 4% to 5% por.; 62% SW. 2524-2534 - 10 ft. of 4% to 5% por., 100% SW; 3252 - 3255 - 3 ft. betw. 4% & 12% por. betw. 57% & 100% SW.

8/16 Reaming 7 7/8" hole to 11" at 1228'. Using security hole opener reamer.

8/17 Tripping at 1600'. Found the hole opener badly worn on one shank. Laid down the reamer body and picked up 11" bit. Continuing to open hole.

8/18 Tripping at 2103' for another 11" bit. We are taking deviation surveys at same depths as in the old hole to check that all is going well. So far we have duplicated surveys.

8/19 Tripped for 11" bit @ 2405'. Hole deviation and bit wear indicate we are still in the same hole. No trouble reaming w/11" bit. Plan to ream to 2960 & set 8 5/8" csg. (probably tomorrow night).

8/20 Reaming @ 2636' @ 8:00 a.m. Made trip at 2585' for new bit (#12). Both surveys and bit wear indicate we are following the old hole exactly. Plan to run 8 5/8" csg. when we reach 2960'.

8/21 Reaming 11" hole @ 2800'. Dev. & bit wear still indicate we are in old hole. 9.1# 42 sec. vis. 10cc water loss.

8/22 Reamed to 2960'. Circulated to run pipe. Pulled out of hole and started to run 8 5/8" casing.

8/23 Ran 8 5/8" 00 24#/ft. J-55 csg to 2960'. Cemented with 435 sx cement mixed 2% lo-dense followed by 100 sx neat cement. Plug down @ 3:30 p.m. Friday. WOC and nipple up.

8/24 After 24 hrs. WOC, drilled out cement and reamed and drilled to bottom. Stuck pipe for 2 hours. Worked it loose and drilled ahead. Lost circulation at 6 a.m. Sunday at 3378'.

8/25 3393' Mixed lost circulation material and regained circulation. Drilled ahead and lost circulation at 3383'. Regained circulation. Drilled ahead to 3393' and lost circulation. Still attempting to regain circulation.

8/26 3518' Regained circulation at 3396'. Dev. 6 deg. at 3385'. Trip for new bit at 3511. Top of salt 3528.

8/27 3717' Tripping for new bit. Dev. 6 deg. at 3660' Paradox salt marker 3489' (+3139').

8/28 4195' Drilling in salt. Dev. 5 1/2 deg. at 3817'. Dev. 5 deg. at 4101.

8/29 4633' Drilling in salt. Dev. 4 3/4 deg. at 4433'.

8/30 5093' Drlg. ahead in salt.

8/31 5450' (Approx. depth) Drlg. ahead in salt.

9/ 1 5703' On bottom with new bit. Dev. - 5500' - 3 1/2°.
5695' - 2 1/4°.

9/ 2 6177' Drlg. ahead in salt.

9/ 3 6510' Drlg. Survey at 6203' was 5°.

9/ 4 7028' Drlg. ahead in salt. Will survey on next trip.

9/ 5 7098' Conditioning mud. Starting yesterday morning (9/4/69) @ 6:00 a.m., drilled to 9:45. Made a trip at 7101', dropping survey on the trip. Came out of hole and found the survey read 13 1/4°. Pipe strap showed 17' neg. correction bringing depth back to 7084'. They are not sure it is a proper survey. Plan to check deviation again as soon as hole conditions permit. Cut drill line, cleaned pits and went back to bottom with OWV-type bit. When on bottom, they planned to review the survey, but Loffland in Farmington has to get them a 21° instrument. Drilled to 7098' corrected depth when the well kicked strongly and they had to pick up off bottom and shut the preventers. Well attempted to unload hole full of 10.5# mud. Ran one pit of 11.3# mud and displaced into hole and still had 300 psi on blowout preventers. Ran another pit of 11.8# mud and displaced into hole, by which time pressure had built to 700 psi on preventers. Well commenced to come under control. Increased mud wt. to 12# and well opened and circulated the hole without preventers with 12# mud.

9/ 6 7215' Drld. to 7215. Mixed Bar. to kill off gas in mud. SWACO degasser on mud system since 8:00 p.m. last nite. Pulled out to run Schlumberger directional survey.

9/ 7 7300' Drlg. Schlumberger survey showed gradual build of angle to 14° and then back to 13° @ TD of 7226'. Carrying light weight to bring hole back.

9/ 8 7518' Tripping. Now have to pump survey to bottom because of heavy mud. Survey @ 7518' = 10°. Plan to increase weight on bit and improve penetration rate.

9/ 9 7713' Drlg. in gummy, black shale.

9/10 7894' Drlg. ahead in salt. Will survey on trip today.

9/11 8116' Drlg. ahead in salt. Trip last night @ 7972'. Dev. on trip = 7°. Now drilling @ 15'/hr.

9/12 8366' Drlg. ahead in salt. Carrying 1900 units on mud logger. De-gasser unit taking out gas in pit. Had two shale-gas zones at 8182-8187 and at 8235-8266. Plan to increase mud weight to damp-off gas. No shows of sand, stain or fluorescence.

9/13 8572' Tripping. Dev. on trip 5½°. Increased mud wt. to hold back gas shows.

9/14 8822' Drlg. in salt. Have increased mud wt to 14.5#/gal. Mud still saturated with gas. Well tried to kick after last trip. Circ. hole without having to close BOP. Well kicked over flow nipple periodically.

9/15 8944' Tripping. Dev. on trip - 4½°. Base of salt at approx. 8907'. Now in hole with W7R bit. Stood back one stand of drill collars.

9/16 9000' Making trip.

9/17 9191' Drlg. in salt. Made 192'. Steel line measurement 9000' = 8999' (-1'). Drlg. w/OWV Bit. Mud wt. 14.5#/gal. going in; 13.5#/gal. coming out. Mud bill is in excess of \$30,000.

9/18 9222' Drlg. in sh. & anhydr. Tripping. 326' above key well now if this point proves to be base of salt. We believe it is, but are not sure. Dev. @ 9203' = 4½°.

9/19 9356' Drlg. in salt, shale & anhydrite. Made 134' in 24 hrs. plus a round trip.

9/20 9507' Drlg. Survey @ 9360' = 4½°.

9/21 9605' Drlg. Survey @ 9585' = 4½°.

9/22 9630' On bottom with new bit.
9637' Later report: Drlg. in sh., anhyd. & salt. Think we have penetrated the base of the salt. Tentative base of salt = 9575 - 2947. 44' low to #1 NW Lisbon State, 60' low to #2 USAC. This is as high as we can be.

9/23 9672' Drlg. in ls. Trip @ 9665', dev.=4½°. Reduced mud wt. to 12.9#/gal., as show in Cane Creek dissipated .
Tops: Lwr. Hermosa=9648'(-3020') 50' low to Pure C-3
in Sec. 3.
Miss. =est. @ 9750'+. 1st por. est. 9800'.
Dev. =10,250'.

9/24 9698' Drlg. w/button bit in Ls. & chert. Mud reduced to 13.6#/gal.

9/25 9713' Drlg. in shale. Made 15'. Top Molas sh. 9709'('3081)
Est. top Miss. 9750'.

9/26 9738' Drlg.

9/27 9761' Drlg. in Mississippian ls. Drld 23'. NS. No P&P. Sample top Miss. 9758 (-3130). -63' to Pure #2 USA-C, Sec. 3
-41' to Pure #1 NW Lisbon "A"
Sec. 2.

9/28 9774' Tripping. Ls. Drld. 13'. NS. No P&P.

9/29 9811' Drlg. in Miss. ls. Drld. 37'. NS, no P&P.

9829' Later report: Prep. to DST 9773-9829. Open about daybreak 9/30/69. 1st por. 9820-29. Fair to med. Vug. por. Vugs lined w/dead oil. No fluor. no odor, no cut w/ccl4. Will use 1000' of water cushion.

9/30 DST #1 - 2530-2600. Pkrs. failed.
DST #2 - 2535-2600. Pkrs. failed.
DST #3 - 3170-3277. Op. 15 min. w/v wk.blo, SI 1 hr.
Op. dead incr. to v wk. in 15 min.
(Op. 1 hr.) SI 1 hr., rec. 120 drl. mud w/tr. oil flecks.
IH - 1476, 1541
IIF - 27, 80
IFF - 27, 93
ISIP - 568, 612
2IF - 27, 80
2FF - 53, 107
FSIP - 568, 612
FH - 1499, 1541.
DST #4. 9773 - 9829. Open 20 min. w/weak blow. Mud kept dropping out of casing slowly. Shut in and mud loss stopped. Shut in 20 min. and then reopened for 20 min. Mud loss had stopped on second opening but we had no bubble indicating the tool had opened. All indications were that we had a dry test or the tool had failed to function. Shut in for final 20 min. and pulled out of hole. Recovered 1000' water cushion and 940' drilling mud. Apparently we had a valid test. The mud loss sealed off. The time of shut-in and the following open period showed no pressure gain with a slight gain on shut in. We interpret the test as successful and indicating a dry test with no entry of fluid. Plan to drill ahead.

10/1 9843' Made 14'. Gray shale, thin stringer.
Pressures:
Top Bomb: Bottom:
IH - 6040 6070
1IF - 465 490
1FF - 1115 1154
ISI - 4913 4932
2IF - 1115 1154
2FF - 1092 1154
FSI - 1808 1859
FH - 6084 6070

10/2 9865' Drlg. in gray shale, marl & scattered limestone.
350' into Miss. 10,110' closest shutdown point
unless porosity develops.

10/3 9866' Attempting to recover 2 cones lost in hole.

10/4 9868' Ran globe basket and failed to reach bottom. Hole out
of gauge.

10/5 9911' Drlg. Tripped @ 9900'. Recovered most of junk.

10/6 9949' Drlg. ahead in Mississippian lime.

10/7 9982' Drlg. On bottom last night with new bit after drlg.
18 ft. in 10 hrs. Drlg. in finely xln. dol., occas.
streaks of poor por. w/dead oil stain. No perm.

10/8 10,003' Tripping for new bit.

10/9 10,052' Drlg. in dol. Drld. 49'. Est. TD - 10,125'.

10/10 10,084' Circ. Prep. to log. Start. log. by 4:00 p.m.

10/11 10,084' Logging.

10/12 DST #5: 9958-10,082 (log depth)
Recovered: 903' water cushion
140' heavily gas cut mud (H₂S)
340' heavily gas cut mud and mud cut
salt water
3800' sulphur water
Prepare to abandon.

10/13 Plugging and abandoning in accordance with USGS
requirements. Total depth: Logger - 10,082
Total depth: Driller- 10,084
Plug as follows:
9900 to 10082 - (feel for plug)
9500 to 9800
6400 to 6600
5800 to 6000
3450 to 3650
2900 to 3000 (Over shoe of inter casing)
0 to 50' w/dry hole marker.

Rig released at 8:00 p.m. 10/13/69.

Final report.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

5. LEASE DESIGNATION AND SERIAL NO.

Federal Unit

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Small Fry Unit

8. FARM OR LEASE NAME

State

9. WELL NO.

Unit #1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 2, T 30S, R 24E
SLR&M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

2. NAME OF OPERATOR
Alpine Oil Co., Inc.

3. ADDRESS OF OPERATOR
1028 Patterson Bldg., Denver, Colorado 80202

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

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 7/31/69 16. DATE T.D. REACHED 10/10/69 17. DATE COMPL. (Ready to prod.) 10/13/69 P&A 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6615 Grd. 19. ELEV. CASINGHEAD 6615

20. TOTAL DEPTH, MD & TVD 10082 21. PLUG, BACK T.D., MD & TVD P&A 22. IF MULTIPLE COMPL., HOW MANY* - 23. INTERVALS DRILLED BY -> 24. ROTARY TOOLS 0 - TD 25. CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
P&A 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction Lateral Log. Gamma Ray Sonic - Dipmeter 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
13 3/8	48#	250	17 1/2	300 sacks-circulated	-
8 5/8	24	2960	11	535 sacks-circulated	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL (MD)	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
P&A			

33.* PRODUCTION
DATE FIRST PRODUCTION P&A PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO

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

35. LIST OF ATTACHMENTS
Daily history of well - Logs to be mailed by Schlumberger

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Robert J. Clark TITLE Petroleum Engineer DATE 10/27/69

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Federal Unit

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Small Fry Unit

8. FARM OR LEASE NAME

Small Fry Unit (State)

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 2, T 30S, R 24E

SLR&M

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 GAS WELL OTHER Dry Hole

2. NAME OF OPERATOR

Alpine Oil Co., Inc.

3. ADDRESS OF OPERATOR

1028 Patterson Bldg., Denver, Colorado 80202

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

At surface

660' from N line and 1980' from W line, Sec. 2

14. PERMIT NO.

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

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

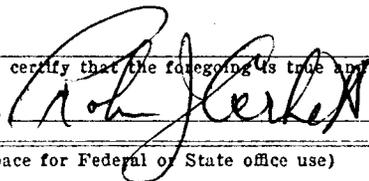
Verbal instructions for abandonment were received from Mr. J. W. Long, District Engineer of U.S.G.S. These plans were concurred with by Paul Burchell, Utah State Engineers representative. Through open ended drill pipe equalized plugs as follows:

9800-9500	equalized	90 sacks	- felt top o.k. after 4 hrs w.o.c.
6600-6400	equalized	90 sacks	
6000-5800	equalized	100 sacks	
3650-3450	equalized	70 sacks	
3000-2900	equalized	30 sacks	across shoe of inter. string
0- 50	equalized	10 sacks	

Erected dry hole marker. Plan to back fill and clean up location when weather permits.

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

SIGNED



TITLE Petroleum Engineer

DATE 10/27/69

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY: