

Plugged & Abandoned 5-64

FILE NOTATIONS

Entered in NID File	<input checked="" type="checkbox"/>	Checked by Chief	<input type="checkbox"/>
.....	<input checked="" type="checkbox"/>	Copy NID to Field Office	<input type="checkbox"/>
.....	<input checked="" type="checkbox"/>	Approval Letter	<input checked="" type="checkbox"/>
.....	<input checked="" type="checkbox"/>	Disapproval Letter	<input type="checkbox"/>
.....	<input type="checkbox"/>		

COMPLETION DATA:

Date Well Completed *Shut in 12-11-59* Location Inspected

GW..... NW..... TA..... Bond returned

GW..... OS..... PA..... State of Fee Land

LOGS FILED

D-I : Log *12/16/59*

E-I : Logs (No.) *1*

Well History - duplicate copy

E..... I..... E-I..... GR..... GP N..... M

Est..... M-L..... Sonic.....

Gamma Ray - No. 10101

Gamma Ray - No. 10101

X			
	22		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-01198-A
Unit DeKalb, et al # 8
UTE TRAIL UNIT

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 17, 1959

Well No. 8 is located 660 ft. from N line and 660 ft. from Ex line of sec. 22
~~W~~

NW/4 NW/4 Sec. 22 T-10-S, R-22-E S. L. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5150 ft. Estimated

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

ANTICIPATED FORMATION TOPS:

Spud in Uintah Formation
Green River 1200'
Wasatch 4120'
Total Depth 5500'

TYPE TOOLS:

Drill with Rotary Tools

MUD PROGRAM:

Drill with water to 1000' then convert to gasiated water. Mud up if hole caves from gasiated water.

CORES AND TESTS:

None unless drilling with mud them dependent on gas shows and sand development.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

CASING PROGRAM:

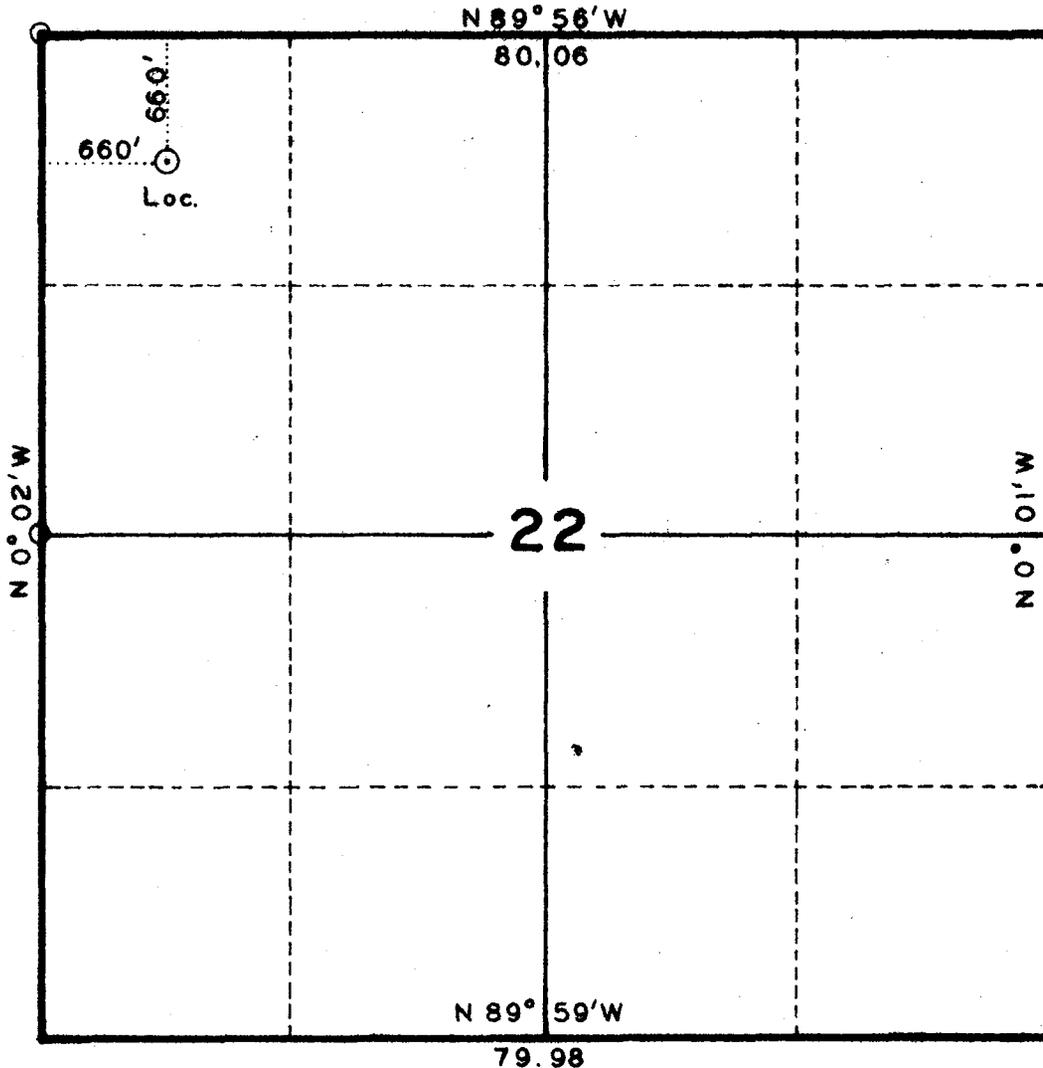
Surface- Set approximately 250' of 10-3/4"
Casing with 250 sacks cement
Intermediate- Set Approx. 1800', 8-5/8",
32#, casing with 300 Sacks Cement.
Production- Set Approximately 5500' of
5-1/2", 14, 15.5# Casing with 800 Sacks
Cement.

Company DEKALB AGRICULTURAL ASSN., INC.

Address Box 523
Vernal, Utah

By [Signature]
Title Geologist

T 10 S, R 22 E



Scale: 1" = 1000'

○ - Corners located (stone)

5117.16' Ground Level Elevation

By: ROSS CONSTRUCTION CO.
Vernal, Utah



<p>PARTY R. D. ROSS S. L. LUCK</p> <p>WEATHER WARM - SHOWERS</p>	<p>SURVEY DEKALB AGRICULTURAL ASSOCIATION, INC. ETAL. - NO. 8 LOC. - UTE TRAIL UNIT, NW/4, NW/4, SECTION 22, T 10 S, R 22 E, SLB & M, UINTAH COUNTY, UTAH</p>	<p>DATE 9/15/59 REFERENCES SURVEYOR GENERAL'S OFFICE SURVEY PLAT 1905 FILE DEKALB</p>
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September 22, 1959

State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah

United States Geological Survey
Attn: D. F. Russell
457 Federal Building
Salt Lake City, Utah

RE: DeKalb # 8 Ute Trail
Unit, NW NW Sec. 22,
T-10-S, R-22-E
Uintah County, Utah

Gentlemen:

Please find enclosed for you files a plat and elevation
for the above captioned well.

Yours very truly,

DEKALB AGRICULTURAL ASSN., INC.
U. S. Oil Division



M. C. Johnson
Geologist

MCJ/dc
Encl.

W.

X		
	22	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake City**
Lease No. **U-01198-A**
Unit **DeKalb, Et Al #8**
Ute Trail Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 29, 1959

Well No. **8** is located **660** ft. from **N** line and **660** ft. from **W** line of sec. **22**

NW NW Sec. 22
(¼ Sec. and Sec. No.)

T-10-S, R-22-E
(Twp.) (Range)

SLM
(Meridian)

Wildcat
(Field)

Uintah
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is **5117.15 G. L.**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded at 3:00 A.M. Sept. 25, 1959. 12-1/4" hole.
Drilled 12-1/4" hole to 201', reamed to 17-1/2" to 199'.
Ran 6 Jts, 13-3/8", Rg 2, 8th J-55, 48# Casing, set at 199' K. B.
Cemented with 200 sacks regular cement, plus 2% Calcium Chloride,
cement circulated to the surface. Plug down at 8:30 A.M. 9-26-59
W.O.C. 36 Hours. Tested casing to 1,000# psi 9-28-59, no loss in
pressure resume drilling.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **DeKalb Agricultural Association, Inc.**

Address **P. O. Box 523**

Vernal, Utah

By

Title **Production Superintendent**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 62-1556.5
Approval expires 12-31-60.

LEASE OFFICE Salt Lake City
LEASE NUMBER
UNIT Ute Trail Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1959.

Agent's address Box 523 Company DeKalb Agricultural Assn., Inc.
Fernal, Utah Signed J. R. Ray

Phone 1073 Agent's title Production Supt.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NENE 8	10S	22E	1	-0-	-0-	-0-	-0-	-0-	-0-	Shut In. ✓
NENE 17	10S	22E	2	-0-	-0-	-0-	-0-	-0-	-0-	Abandoned ✓
NENE 16	10S	22E	3	-0-	-0-	-0-	-0-	-0-	-0-	Shut In. ✓
NENE 27	9S	20E	4	-0-	-0-	-0-	-0-	-0-	-0-	Shut In. ✓
NENE 23	9S	20E	5	-0-	-0-	-0-	-0-	-0-	-0-	Perforated and Fraced Testing after frac, Xmas Tree installed Will Shut Well In. ✓
NENE 24	9S	20E	6	-0-	-0-	-0-	-0-	-0-	-0-	Drilling at 5546' Shale ✓
NWNW 22	10S	22E	8	-0-	-0-	-0-	-0-	-0-	-0-	Drilling at 1296' Shale ✓

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

DEKALB

Agricultural Association Inc.
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division

P. O. BOX 523
VERNAL, UTAH
TELEPHONE 1073

October 9, 1959

State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utan

Continental Oil Company
P. O. Box 126
Craig, Colorado

Petan Company
P. O. Box 390
Santa Barbara, California

Sun Oil Company
P. O. Box 903
Salt Lake City, Utah

Gentlemen:

Enclosed please find for your files a Survey Plat
with elevation and Sundry Notices for Intention to
Drill on our # 8 Ute Trail Unit, Uintah County, Utah.

Yours very truly,

DEKALB AGRICULTURAL ASSN., INC.
U. S. Oil Division

M. C. Johnson

M. C. Johnson
Geologist

MCJ/dc
Encl.

FEDERAL LAND

CONDITIONS OF APPROVAL

1. The lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary precautions to preserve these markings.
2. A conductor or surface string of casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and have installed thereon the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.
3. All showings of oil or gas are to be adequately tested for their commercial possibilities. All showings shall be properly protected by mud, cement, or casing so that each showing will be confined to its original stratum. Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash, and salt.
4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of U. S. Geological Survey, P. O. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.
5. Two copies of the log of this well on Form 9-330, or other acceptable form and when available two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator on completion of the well whichever is earlier.
6. The District Engineer, D. F. Russell, 477 Federal Bldg., Salt Lake City, Utah, shall be notified on Form 9-331a in triplicate giving thereon all necessary details of the proposed operation or test for proper consideration and action sufficiently in advance of making casing or formation tests, shooting or acidizing, running or cementing casing, other than the surface or conductor string, to permit approval of the notice prior to date of proposed work.

U-01198-A

SEP 17 1959

Approved _____
D. F. Russell
District Engineer

I			
	22		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-01198-1
Unit DeKalb, et al # 8
Ute Trail Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 13, 1959

Well No. 8 is located 660 ft. from [N] line and 660 ft. from [W] line of sec. 22
W/4 NW/4 Sec. 22, T-10-S, R-22-E S. L. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildest Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5117 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total Depth 5210'

Run 161 Jts. of 5-1/2", 15.5#, CPWI, J-55 Sals. Casing. Measured 5213.29', set at 5210'. Cemented with 500 Sacks Regular Cement. Plug Down 12:30 A. M.

October 8, 1959. Will wait for Work-over Rig, will run all Electric Logs, including cement log then perforate and frac zones to be determined at that time.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company DEKALB AGRICULTURAL ASSN., INC.
 Address BOX 523
VERNAL, UTAH
 By [Signature]
 Title Production Supt.

October 26, 1959

Sun Oil Company
P. O. Box 903
Salt Lake City, Utah

Sun Oil Company
P. O. Box 1798
Denver, Colorado

Continental Oil Company
P. O. Box 126
Craig, Colorado

United States Geological Survey
457 Federal Building
Salt Lake City, Utah

State of Utah
310 Newhouse Building
Salt Lake City, Utah

RE: Ute Trail # 8
NWNW 22, T10S, R22E
Utah Co., Utah

Gentlemen:

This is to advise you that the elevation on the above well was given to us in error and was transmitted along on our plat to you in error.

The correct elevation is 5161.46 feet ground level.

Yours very truly,

DEKALB AGRICULTURAL ASSN., INC.
Oil and Gas Division



M. C. Johnson
Geologist

MCJ/dc

Salt Lake City

(SUBMIT IN TRIPLICATE)

Land Office

U-01196-A

Lease No.

DeKalb, et al # 8

Unit

WTR TRAIL UNIT

X			
		22	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 9, 1959

Well No. 8 is located 660 ft. from $\begin{matrix} N \\ S \end{matrix}$ line and 660 ft. from $\begin{matrix} E \\ W \end{matrix}$ line of sec. 22
 12/4, 12/4 Section 22 T-10-S, R-22-E S. L. M.
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
 Wildcat Uintah Utah
 (Field) (County or Subdivision) (State or Territory)

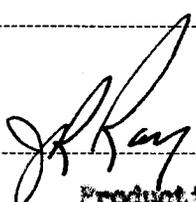
The elevation of the derrick floor above sea level is 5151' ft. C. L.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Tested after frac, making an estimate of 500,000 Cu. Ft. Gas per day.
 10-29-59: Perforated 4732' to 4762' with two shots per foot, packer set at 4794'.
 11-1-59: Fraced with 250 Gal. Mud Acid, 340 bbls salt water, 17,000# Sand, 320# J-94.
 Max. Pressure treating 4300#, Min. 3900#, Average injection rate 12 bbls per min.
 Shut In pressure 300#.
 Tested after frac, making an estimate of 750,000 Cu. Ft. Gas per day. Will continue to blow and test to clean up well, then Shut In.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company DREALS AGRICULTURAL ASSY., INC.
 Address Box 523
 Vernal, Utah
 By 
 Title Production Supt.

Salt Lake City

(SUBMIT IN TRIPLICATE)

7			
	22		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____
Lease No. U-01196-A
Unit DeKalb, et al # 8
UTE TRAIL UNIT

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 9, 1959

Well No. 8 is located 640 ft. from ~~330~~^N line and 660 ft. from ~~EXP~~^W line of sec. 22
 1/4 Sec. and Sec. No. 1-10-2, 1-22-2 S. L. M.
 Wildcat Uintah Utah
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5161 ft. S. L.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 10-15-59: Ran Casuar Ray Neutron Cement Log, top of cement at 3870'.
- 10-18-59: AbrasiJet Zone 4664, 4668' and 4672' with 9,000# Sand. Fraced with 25,000# sand, 700# Mucite, 500 Gal. Mud Acid, 310 Diesel Oil. Max. Pressure treating 3300#, Min. 3050#, average injection rate 20 bbls. per min. Shut in Pressure 2350#.
- 10-19-59: Flowed back 100 bbls diesel oil, cut with water. Started swabbing, swabbed water at rate of 20 bbls. per hour, slight amount of gas. Continued swabbing, recovering only water.
- 10-23-59: Squeezed off perforations from 4660' to 4673' with 100 sacks cement, 5300# Pres. Drilled out cement to total depth of 5172' (McCullough)
- 10-25-59: Perforated 4935' to 4980' a total of 25' with two torpedo jets per ft., 52 Gram charge, 3/4" hole.
- 10-27-59: Fraced with 280 bbls salt water, 250 gal. Mud Acid, 16,000# Sand. Max. Pres. 4500#, Min. 4200#, Shut in Pressure 1900#. Average injection rate 10 bbls per minute.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company DeKalb Agricultural Assn., Inc.
 Address Box 523
 Yernal, Utah
 By *J. R. Ray*
 Title _____

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE _____
 LEASE NUMBER Ute Trail Unit
 UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 19 59,

Agent's address Box 523 Company DeKalb Agricultural Assn., Inc.
Vernal, Utah Signed Carl Dugh

Phone 1073 Agent's title Manager

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NENE 8	10-S	22E	1	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 17	10S	22E	2	-0-	-0-	-0-	-0-	-0-	-0-	Abandoned
NENE 16	10S	22E	3	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 27	9S	20E	4	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 23	9S	20E	5	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 24	9S	20E	6	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 4	10S	22E	7	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NWNW 22	10S	22E	8	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

MUDDING AND CEMENTING RECORD

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3/8"	199	200 sxs reg.	2%CC Pump & Plug	Water	
5-1/2"	5210	500 sxs reg.	Pump & Plug	Water	

PLUGS AND ADAPTERS

SQUEEZE 100 sxs
~~Flowing plug~~ Material **Cement** Length **4664-4672** Depth set ~~XXXX~~ w/ **5300 PSI**
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Irreg.	Dowell	Abrasijet	3/ft.	10/17	4664-4672	5163
3/4"	Torp. Jet	52 gram.	2/ft.	10/30	4732-4762	5163
3/4"	Torp. Jet	52 gram.	2/ft.	10/25	4955-4980	5163

TOOLS USED

Rotary tools were used from 0 feet to 5210 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 11, 1959. Put to producing Shut in Dec. 11, 1959
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours 1 MMCF GPD. Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. 2300 PSI

EMPLOYEES

Ralph Murray, Pusher, ~~Driller~~ _____ Tom Chandler, Driller
Larry Caldwell, Driller _____ Leo Jorgenson, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	900	900	Uintah
900	4124	3224	Green River
4124	5210	1086	Wasatch
			T. D. 5210'

Sample Tops:
 900'
 4124'

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Hole drilled with gasiated water from 200' to 5310'.
Squeezed 4664-4672' with 100 sacks cement with 5300 PSI.



UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE _____
 LEASE NUMBER _____
 UNIT Uts Trail Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 19 59

Agent's address Box 523 Company DeKalb Agricultural Assn., Inc.

Vernal, Utah Signed Paul Hugh

Phone 1073 Agent's title Manager

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NENE 8	10S	22E	1	-0-	-0-	-0-	-0-	-0-	-0-	Shut In
NENE 17	10S	22E	2	-0-	-0-	-0-	-0-	-0-	-0-	Abandoned
NENE 16	10S	22E	3	-0-	-0-	-0-	-0-	-0-	-0-	Shut In
NENE 27	9S	20E	4	-0-	-0-	-0-	-0-	-0-	-0-	Shut In
NENE 23	9S	20E	5	-0-	-0-	-0-	-0-	-0-	-0-	Shut In
NENE 24	9S	20E	6	1/20-	-0-	-0-	-0-	-0-	-0-	Shut In
NENE 4	10S	22E	7	-0-	-0-	-0-	-0-	-0-	-0-	Shut In
NWNW 22	10S	22E	8	-0-	-0-	-0-	-0-	-0-	-0-	Shut In

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE _____
LEASE NUMBER Ute Trail Unit
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1960,

Agent's address Box 523 Company DeKalb Agricultural Assn., Inc.
Vernal, Utah Signed [Signature]

Phone 1073 Agent's title Manager

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NENE 8	10S	22E	1	-0-	-0-	-0-	-0-	-0-	-0-	shut In.
NENE 17	10S	22E	2	-0-	-0-	-0-	-0-	-0-	-0-	Shut In. Abandoned.
NENE 16	10S	22E	3	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 27	9S	20E	4	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 23	9S	20E	5	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 24	9S	20E	6	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 4	10S	22E	7	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NWNW 22	10S	22E	8	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER _____
UNIT Uta Trail

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1961.

Agent's address P. O. Box 523 Company DeKalb Agricultural Assn., Inc.

Vernal, Utah

Signed Paul Pugh

Phone 1073

Agent's title Manager

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NENE 8	10S	22E	1	-0-	-0-	-0-	-0-	-0-	-0-	Re-work to Dual complete, Coming out of hole with Packer.
NENE 17	10S	22E	2	-0-	-0-	-0-	-0-	-0-	-0-	Picking up Drill Collars, Going in hole to circulate.
NENE 16	10S	22E	3	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 27	9S	20E	4	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 23	9S	20E	5	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 24	9S	20E	6	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 4	10S	22E	7	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NWRW 22	10S	22E	8	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Aug 4

Budget Bureau No. 42-E3865
Approval expires 12-31-60

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER _____
UNIT Dee Trail

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 19 61

Agent's address P. O. Box 523 Company DeKalb Agricultural Assn., Inc.
Vernal, Utah Signed John Baker

Phone 1073 Agent's title Office Manager

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NENE 8	10S	22E	1	-0-	-0-	-0-	-0-	-0-	-0-	Installed Xmas Tree No test on well to date.
NENE 17	10S	22E	2	-0-	-0-	-0-	-0-	-0-	-0-	Drilling at 8500'
NENE 16	10S	22 E	3	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 27	9S	20E	4	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 23	9S	20E	5	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 24	9S	20E	6	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 4	10S	22E	7	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 22	10S	22E	8	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

PHB

	13	X	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-08512

Unit Ute Trail

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 23, 1964

Well No. 14 is located 1996 ft. from N/S line and 1335 ft. from E/W line of sec. 13

NE 1/4 Sec. 13
(1/4 Sec. and Sec. No.)

10-S
(Twp.)

22-E
(Range)

SLM
(Meridian)

Bitter Creek
(Field)

Uintah
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 5321 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to plug and abandon this well, will move over well with pulling ~~and~~ squeeze across perforations in Wasatch 5483'-5498' W/150 SXS Reg. cement. spot additional cement plugs as shown below set iron location minimum 4" X 4" G.L., clean; level & abandon location. No casing salvage is planned.

DISREGARD (SEE LETTER DATED 6/15/64)
Plugging Program

- Plug #1 150 SXS Reg. cement. squeezed across perforations W/Retainer @ 5200 W/25 SXS on top of retainer 5200'-5000'.
- Plug #2 25 SXS reg. cement. 1200'-1000'
- Plug #3 15 SXS reg. cement. 100'-0'
- Plug #4 100 SXS reg. cement. squeezed between 5 1/2" csg. & 10 3/4" csg.

APPROVED BY UTAH OIL AND GAS
CONSERVATION COMMISSION

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company DEKALB AGRICULTURAL ASSOCIATION, INC.

DATE 5-4-64

Paul W. Burchell
CHIEF PETROLEUM ENGINEER

(Approval conditional upon attached letter)

Address P.O. Box 523

Vernal, Utah

By *J.F. Tadlock* J.F. TADLOCK

Title Production-Drilling Supt.

Check
with
file
10
A

PMB

May 4, 1964

DeKalb Agricultural Association, Inc.
P. O. Box 523
Vernal, Utah

Gentlemen:

Enclosed please find approved copies to plug and abandon Well No's Ute Trail 2, 8, 9, 11-X and 14. Approval is conditional upon sufficient cement having been set for the intermediate strings involved, to adequately cover the water bearing strata encountered between 1000'-3000'.

If the calculated fill-up of cement does not cover these subsurface aquifers, then it is recommended that the production string be pulled and the intermediate casing perforated and squeezed in such a manner as to isolate the brown oil shale zone which occurs at a depth of approximately 1500'.

Please advise this office as to what steps you feel are necessary with respect to this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

PAUL W. BURCHELL
CHIEF PETROLEUM ENGINEER

PWB:cmg

cc: George Brown, Acting Dist. Eng.,
U. S. Geological Survey - Salt Lake City, Utah

H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission - Moab, Utah

W

DEKALB

Agricultural Association Inc.
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division

P. O. BOX 523
VERNAL, UTAH
TELEPHONE ~~1073~~ 789-2544
Residence 789-3573

May 7, 1964

U.S. Geological Survey
8416 New Federal Building
Salt Lake City, Utah

ATTENTION: Mr. George Brown

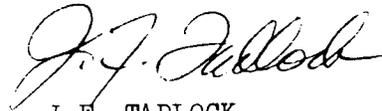
Re: DeKalb Ute Trail Unit Wells
Sun 2, Ute #8, Ute #9, Ute #14 & 11-X

Dear Sir:

Reference is made to our sundry notice of intention to abandon the above referred to wells. We are enclosing a data sheet on each of the wells reflecting the production history and proposed plugging program, we request that you attach this data sheet to the Sundry notice form previously submitted.

Very truly yours,

DEKALB AGRIC. ASSOC. INC.



J.F. TADLOCK
Prod. Drilling - Supt.

C.C. Mr. C.M. Heglin
Mr. Paul W. Burchell ✓
JFT/ns

Mr. Burchell,
Sorry I missed you when I called your office this morning, however in conversation w/ Mr. Flight I learned that you may wish to call on me next week. I would welcome the opportunity to discuss these wells with you here at our office where we have the drilling histories and pertinent data if it will be convenient for you to do so.



Copy H&C.
**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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

Form approved.
Budget Bureau No. 42-R

5. LEASE DESIGNATION AND SERIAL

U-01198-A

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

Ute Trail Unit

8. FARM OR LEASE NAME

Ute Trail

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Bitter Creek

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

Sec. 22-T-10-S, R-2

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
DeKalb Agric. Assoc. Inc.

3. ADDRESS OF OPERATOR
P.O. Box 523, Vernal, Utah

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

660 ft. EWL, 660 ft. SNL sec. 22

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5172 D.F.

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 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.)*

It is intended to abandon this well along the following General Program: Move over well with pulling unit, pull tubing set cast iron retainer @ 4500', squeeze across Wasatch perforations, dump 15 SXS cement plug on top of retainer, pull tubing perforate opposite Greenriver @ 1200', squeeze across Greenriver Formation W/100 SXS, cap 5 1/2" csg. W/15SXS cement from 100'-0', squeeze a final plug of 100 SXS cement between casings.

DETAILED PLUGGING PROGRAM

- I. Set retainer @ 4500 squeeze across Wasatch perforations W/150 SXS cement dump 15 SXS cement plug on top of retainer from 4500'-4400'.
- II. Perforate opposite Greenriver formation @ 1200' squeeze through perforations W SXS cement.
- III. Cap 5 1/2 casing W/15 SXS cement plug from 100'-0'
- IV. Squeeze between 5 1/2" and 13 3/8" csg. W/100 SXS cement.
- V. Set Iron location marker minimum of 4' X 4" above grd. level, clean level and abandon location.

Remarks: 1. History of well previously submitted.
2. Disregard prior notice of intention to abandon dated April 23, 1964.

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

SIGNED

J. J. Tollock

TITLE Production - Drilling Supt. DATE June 12, 1964

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

DATE 6/15/64

Paul A. Borchell
CHIEF PET. ENG.

DEKALB

Agricultural Association Inc.
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division

P. O. BOX 523
VERNAL, UTAH
TELEPHONE 1673

June 13, 1964

Mr. Paul W. Burchell
The State of Utah
Oil and Gas Conservation Commission
310 New House Building 10 Exchange Place
Salt Lake City, Utah

Re: Abandonment DeKalb's Ute Trail Unit
Wells Sun #2, Ute 4, 8, 9 & 14

Dear Sir:

Attached please find three copies each of U.S.G.S. form 9-331, Sundry Notice of intention to abandon the above referred to wells.

Referance is made to your letter of May 4, 1964 concerned with isolation of the Greenriver Formation. After throughly discussing the matter with our chief engineer, Mr. C.M. Heglin and the U.S.G.S. we have modified our plugging program to give adequate protection to the zones in question.

We request that you disregard our previous submittal on Form 9-331a dated April 23 and May 11, and base your approval on the attached program.

With referance to the Ute Trail unit #2, this well has been assigned to the U.S. Government as a water well and will be plugged as previously submitted. Also we propose to plug the Ute Trail Unit 11-X as previously submitted, as we plan to leave the intermediate casing in the well, consequently the Greenriver section will be adequately protected by the present plugging program and primary cement.

Upon receipt of approval we wish to begin plugging operations at once, we request that you give this matter prompt consideration. In the event you wish to witness the plugging of these wells we will be pleased to notify you of the exact starting date.

Very truly yours,

DEKALB AGRIC. ASSOC. INC.

J.F. Tadlock
J.F. TADLOCK

Production-Drilling Supt.

JFT/ns

C.C. Mr. C.M. Heglin, Chief Engineer
DeKalb Petroleum

U.S.G.S., Mr. Rodney Smith, Dist. Engineer

Q118

WELL HISTORY

DEKALB ET AL
#8 UTE TRAIL UNIT
NW NW 22, T-10-S, R-22-E
UINTAH CO., UTAH

OPERATOR: D. Alb Agricultural Assn., Inc.

WELL: # 8 Ute Trail Unit

LEASE: U-01198-A

LOCATION: 660' FNL and 660' FWL of section 22, T10S, R22E, S.L.M.
Uintah County, Utah

ELEVATION: 5161.46' G. L.; 5174' K.B.

COMMENCED: September 25, 1959 (2:00 AM)

SET SURFACE: September 26, 1959 (8:30 AM)

FROM UNDER SURFACE: September 28, 1959 (10:30 AM)

REACHED TOTAL DEPTH: October 7, 1959 (11:15 AM)

COMPLETED: December 11, 1959

TOTAL DEPTH: 5210' Driller

PRODUCTION: 1,000 MCFGPD

CASING: Surface: Set 13-3/8", 48#, J-55, 8rnd thrd. csg.
at 199' K.B. with 200 sxs regular cement
plus 2% Ca Cl.
Production: Set 5-1/2", 15.5#, J-55, 8rnd. thrd. csg.
at 5210' K.B. with 500 sxs. regular
cement.

PERFORATIONS: Abrasijeted with 3 stage tool; 3 perms per stage at
4664, 4668, and 4672'. 4732 to 4762' with 2 Torpedo
Jets per foot (52 gram charge, .75" dia hole).
4955 to 4980' with 2 Torpedo Jets per foot (52 gram
charge, .75" dia hole).

SQUEEZED ZONES: 4663 to 4673' with 100 sacks regular cement @ 5300 PSI.

FORMATION TOPS: Spudded in Uintah Formation
Green River 900'
Wasatch 4124'
Total Depth 5210'

CONTRACTOR: MIRACLE AND WOOSTER DRILLING COMPANY

TYPE RIG: Unit 15 Draw Works

Well: 131' Lee C. Moore Jack life ast with 9' substructure
Pumps: Oilwell Model 218P 18"
Oilwell Model 214P 14"
Blow Out Preventors: Shaffer Double Hydraulic 900 series
G.K. Hydrill 10-900 series
Payne Hydraulic closing Unit with
80 gallon accumulation.

HOLE SIZE: Drilled 12-1/2" pilot hole then reamed out to 17-1/2"
to 201 feet.
Drilled 11" hole 1744' then reduced to 7-7/8" hole
to 5210'.

LOGS: McCullough Gamma-Ray-Neutron-Cement Log 482 to 5163'

DRILLING TIME: One foot drilling time was maintained from 201 feet
to 5210 feet by means of a mechanical recorder.

SAMPLE PROGRAM: Samples were caught at 10 feet intervals from the
surface to total depth.

CORES: No cores were taken.

DRILL STEM TESTS: No tests were made.

MUD PROGRAM: Used gasiated water to drill with from under surface
casing to a total depth of 5210 feet. Approximately
one to two hundred pounds of lime was added to the
drilling fluid per hour to prevent drill pipe corrosion.

LOST CIRCULATION: Lost partial circulation at 1190 feet in amount of
a 2" stream of water.

WATER FLOW: Encountered a small water flow at 1298 feet. Various
thin sand lenses in the Green River formation produced
water.

SHOWS OF OIL & GAS: Residual oil was noted in almost all sands of the
Uintah and Green River formation as well as in the
brown dolomitic shales. In the Wasatch there
were moderate shows of gas at 4714, 4864, 4925, and
5133 feet when the gas used to drill with and the pumps
were shut off in order to check for gas. The drill
string was picked up off bottom and the hole sat in
this manner from 45 to 75 minutes allowing any gas
to bleed into hole.

COMPLETION PROCEDURE:

ZONE 4663 to 4673': Washed perforations with 500 gallons of mud acid. Spearheaded back with mud acid Fraced down tubing and casing with 18,060 gallons of diesel oil treated with 700 pounds of Adomite, and 25,000 pounds of 20/40 mesh sand. Formation broke down at 2700 PSI. Maximum treating pressure 3300 psi, Minimum 3050 psi, Average injection rate 22 bbls/minute Immediate shut in pressure 2350 psi, 45 minute shut in pressure 1650 psi. This zone later squeezed with 100 sacks cement at 5300 psi.

ZONE 4955 to 4980: Perforated with 2 Torpedo jets per foot. Perforations washed and frac spearheaded with 250 gallons of mud acid. Fraced down tubing with 11,340 gallons of salt water and 16,000 pounds of 20/40 mesh sand. Formation broke at 2100 psi. Maximum treating pressure 4600 psi., Minimum 4200 psi. Average injection rate of fluid 12 bbls/minute. Immediate shut in pressure 1900 psi, after 15 minutes 1200 psi.

ZONE 4732 to 4762: Perforated with 2 Torped Jets per foot. Perforations washed and frac spearheaded with 250 gallons of mud acid. Formation broke down at 4300 PSI. Fraced down tubing with 11,550 gallons treated salt water and 17,000 pounds of 20/40 mesh sand. Maximum treating pressure 4400 psi, minimum 2800 psi. Average injection rate 12.5 bbls/minute. Immediate snut in pressure 900 psi and 10 minutes later 600 psi.

WELL HISTORY
UTE TRAIL UNIT WELL # 8
UTAH COUNTY, UTAH

- 9-17-59 Start building roads, levelling location, R. O. W. for gas and water lines.
- 9-18-59 Building road, levelling location, blading ROW'S for water and gas lines.
- 9-19-59 Laying water lines, setting water paump, start moving rotary big to location.
- 9-20-59 Rigging up Rotary Rig.
- 9-21-59 Digging cellar, laying gas line, finish moving rig in. 15 men 8 hrs. each.
- 9-22-59 Rigging up Rotary Rig, 15 men 8 hours each.
- 9-23-59 Rigging up Rotary Rig, 15 men 8 hours each.
- 9-24-59 Finish rigging up, start drilling, rat hole, drill on rat hole 5 hours, mis Cel, to drill Rat Hole, broke tour at 4:00 P. M. used 50 sacks Gel.
- 9-25-59 Drilling with mud and water.
0-201' Morning Tour, 68' 96 hr. drilling, 2-1/2 hours reaming) - 0-68' Shale.
Evening Tour, 133' (6 hr. drilling, 3-1/2 hours reaming) - 68'-201' Shale.
Finish drilling Rat hole at 1:15 A. M. 3/4 hr. rig up to spud 2:00 A. M. with 12-1/2" YTI (Retip) Bit, drill to 40' 6:00 A. M. trip, ream to 40' with 17-1/2" (Retip) Reed Hole Opened, finish reaming to 40' at 8:30 A. M. Drill with 1-1/2" Bit No. 1 til 10:30 A. M., mix mud til 1:00 P. M., Drill til 7:00 P. M., reach 201' survey and trip. Back in hole with 17-1/2" Reamer at 8:30 P. M. still reaming at 12 midnight.
Survey at 68' - 1/2 Degree, at 201', 1/2 Degree.
Used 27 sacks Bel. Bit No. 1 made 201', -12 hours - 0-201' Shale.
- 9-26-59 Drilling with mud and water.
201' T. D. Morning Tour, reaming (5-1/2 Hrs. reaming) 87' to 199'.
Set Casing Evening Tour, W. O. C.
W. O. C. Finish reaming 12-1/2" hole to 17-1/2" at 5:30 A. M. Reamed to 199', trip, rig up to run casing, ran 6 Jts. 13-3/8", 48#, 8rd. H-40, R-E, Smals Casing that measured 203.26', less landing joint 18.10' left 185.15' in hole, set at 199', K. B. Cemented with 200 sacks regular cement, plus 25 Ca. Cl. Plug Down at 8:30 A. M. Cement circulated. W. O. C. and nipling up at 12 midnight.
Bit No. 2 (Reamer) made 199' - 9 Hours, - 0-199' Shale.
Used 4 sacks line, 8 sacks Gel.
- 9-27-59 Drilling with mud and water.
201' T. D. Morning Tour - W. O. C. and nipling up to drill with gas.
W. O. C. Evening Tour, nipling up and drilling mouse hole. W. O. C. and nipling up 12 A. M. to 8P. M. pressure casing to 1,000 psi held pressure 1/2 hour, no pressure drop. Rig up to drill mouse hole start drilling mouse hole at 10:00 P. M. Still on mouse hole at 12 midnight.

9-28-59
201'-875'

Drilling with Gas and Water.

Morning Tour- 43' (1 hr. Drilling Cement- 1-1/2 Formation) 201'-244' Shale.
Evening Tour- 631' (10 Hrs. Drilling) 244'- 875' Sand and Shale.
Finish drilling mouse hole at 4:00 A. M., rig up to drill, pressure and test BOP pipe rams. Fill blowie pond, tag cement start drilling cement at 9:30 A. M., start drilling formation with 11" OSCIG repip Bit No. 3 at 12:30 A. M. Drill til 8:30 P. M., wait on gas 1/2 hour, drill til 10:30 P. M., trip, going in hole with 11" OSC3 Bit No. 4. Used 2 sacks Lime A. M., 10 Sacks Lime P. M., Bit No. 3 made 674'- 11 Hours- 201' to 875' Sand and Shale.

9-29-59
875'-1229'

Drilling with Gas and Water.

Morning Tour- 225' (9-1/2 hrs. drilling) 875' to 1130' Sand and Shale.
Evening Tour- 99' (10-1/4 Hrs. Drilling 3/4 Hr. Circ.) 1130' to 1229' Sand
Finish trip in, back in hole with 11" OSC3 Bit No. 4 at 12:30 A. M. Drill til 9:00 A. M., trip, back in hole with 11" OSWV Bit no 5 at 11:00 A. M. Drill til 11:15 P. M., circulate til 11:00 P. M., trip at 12 midnight. Used 18 Sacks Lime, A. M., 11 Sacks Lime P. M. Bit No. 4 made 245' -8-1/2 hours, 875' to 1120' Sand and Shale. Bit No. 5 made 109' - 11-1/4 Hours, 1120' to 1229' Sand and Shale.

9-30-59
1229'-1744'

Drilling with Gas and Water.

Morning Tour- 281' (11-1/2 Hrs. Drilling) 1229' to 1510' Sand and Shale.
Evening Hour- 234' (10 Hrs. Drlg. 1 hr. Circ.) 1510' to 1744' Sand and Shale.
Finish trip, back in hole with 11" OSCIG Bit No. 6 at 12:30 A. M., drill til 1:30 P. M., circulate 1/2 hour, trip, back in hole with 11" OSC-1 retip Bit No. 7 at 3:00 P. M. Drill til 11:30 P. M., circulate 1/2 hour, start trip at 12 midnight. Used 24 Sacks Lime A. M. 18 Sacks Lime P. M. Bit No. 6 made 292' - 12-1/2 Hrs. 1229' to 1521' Sand and Shale. Bit No. 7 made 223' - 8-1/2 Hrs. 1521' to 1744' Sand and Shale.

10-1-59
1744'-2367'

Drilling with Gas and Water.

Morning Tour- 234' (6 Hrs. Drilling) 1744' to 1978' Sand and Shale.
Evening Tour- 393' (7 Hrs. Drilling) 1978' to 2367' Sand and Shale.
Out of hole at 2:00 A. M. lay down 8" drill collars, pick up 6" collars, back in hole with 7-7/8" OWV Bit No. 8 at 6:00 A. M., drill til 12:15 P. M. Wait on water 3/4 hours, drill til 2:00 P. M., trip, back in hole with 7-7/8" YSI Bit No. 9 at 5:15 P. M., drill til 10:30 P. M. Trip, still on trip at 12 midnight. 6 Sacks Lime A. M. 14 Sacks Lime P. M. Bit No. 8 made 284' - 7-1/4 Hours, 1744' to 2028' Sand and Shale. Bit No. 9 made 346' - 5-1/4 Hours, 2028' to 2367' Sand and Shale.

10-2-59
2367'-2992'

Drilling with Gas and Water.

Morning Tour- 367' (8-1/4 Hrs. Drilling, 1/4 Hr. Reaming- 2367' to 2734'
Evening Tour- 258' (7-1/4 Hrs. Drilling 1 hr. Reaming) - 2734' to 2992'
Sand and Shale.
Finish Trip, back in hole with 7-7/8" MN Bit No. 10 at 2:00 A. M. 1/4 Hr. reaming to bottom, drill til 10:30 A. M., circulate 1/2 hour, trip, back in hole with 7-7/8" YSI Bit No. 11 at 1:30 P. M., 1/2 hour ream to bottom, drill til 8:00 P. M., 1/2 Hr. circulate, trip, back in hole with 7-7/8" MN Bit No. 12 at 10:45 P. M. still drilling at 12:00 Midnight. 16 Sacks Lime A. M. 17 Sacks Lime P. M. Bit No. 10 made 367' 8-1/4 Hrs. 2367' to 2734' Sand and Shale. Bit No. 11 made 221' - 6-1/2 Hrs. 2734' to 2955' Sand and Shale.

10-3-59 Drilling with Gas and Water.
2992' - 3555' Morning Tour- 277' (6-3/4 Hrs. Drilling, 1 Hr. Ream) 2992' to 3269' Sand & Shale.
Evening Tour- 286' (8 Hrs. Drilling, 3/4 Hr. Circ.) 3269' to 3555' Sand & Shale.
Drill til 6:45 A. M., trip, back in hole with 7-7/8" YSI Bit No. 13 at 11:00
A. M., 1 hour ream and circulate to bottom, Shut down 1 hour to repair
blowie pit with Disier, start drilling at 1:00 P. M. Drill til 8:00 P. M.
Circ. 1/2 Hour, trip, back in hole with 7-7/8" OWV Bit No. 14 at 10:45 P. M.
1/2 Hour ream to bottom start drilling at 11:00 P. M. Still drilling at
12 midnight. 14 Sacks Lime, A. M., 16 Sacks Lime P. M.
Bit No. 12 made 319' - 8 hours- 2955' to 3269' Sand and Shale.
Bit No. 13 made 241' - 7 hours- 3269' to 3510' Sand and Shale.

10-4-59 Drilling with Gas and Water
3555'-4230' 3555' to 3870', Morning Tour- 315' Total, 7-3/4 Hrs. Drilling, 3/4
Hour Circ. Sand and Shale.
Evening Tour- 360' 10-3/4 Hours Drilling, 3870' to 4230' Sand and Shale.
Drill til 7:15 A. M., Circulate 3/4 Hour, trip, back in hole with 7-7/8"
OWV Bit No. 15 at 11:00 A. M., wait on gas 1/2 hour, start drilling at
11:30 A. M., drill til 10:45 P. M., trip, still on trip at 12:00 Midnight.
14 Sacks Lime A. M., 10 Sack Lime P. M.
Bit No. 14 made 360' - 8-1/4 Hours, 3510' to 3870' Sand and Shale.
Bit No. 15 made 360' - 10-3/4 Hours, 3870' to 4230' Sand and Shale.

10-5-59 Drilling with Gas and Water
4230'-4714' Morning Tour- 272' (9 hrs. Drilling, 1/2 Hr. Circ.) 4230' to 4502' Sd & Shale.
Evening Tour, 212' 9/6 Hrs. Drilling, 1-1/4 Hr. Circ. 4502' to 4714',
Sand and Shale.
Finish trip, back in hole with 7-7/8" OW Bit No. 16 at 2:30 A. M. 1/2
hour ream to bottom. Start drilling at 3:00 A. M., drill til 3:30 P. M.
Circulate 1/2 hour, trip, back in hole with 7-7/8" YSI Bit No. 17 at
7:45 P. M., 3/4 Hour, circulate to bottom, start drilling at 8:30 P. M.
Drill til 11:00 P. M. Shut down 1 hour to check for gas, very slight
blow, test for gas til 12 midnight.
12 Sacks Lime A. M. 12 Sacks Lime P. M.
Bit No. 16 made 395' - 12-1/2 hours, 4230' to 4625' Sand and Shale.

10-6-59 Drilling with Gas and Water.
4714'-4980' Morning Tour- 211' (5-1/4 Hrs. Drilling) 4714' to 4925' Sand and Shale.
Evening Tour- 55' (2 Hours Drilling, 3 hours circulating) 4925' to 4980'
Sand and Shale.
Start drilling at 12:00 A. M., drill til 3:30 P. M., Shut down 1-1/4 hours
to check for gas (No increase) Start drilling at 4:45 A. M. drill til
6:30 A. M., trip, out of hole at 8:30 A. M. lost cone off bit, wait on
fishing tool til 10:30 A. M. Trip in with Magnetic fishing tool, in hole
at 1:30 P. M., circulate and fish til 2:30 P. M., trip, out of hole at
5:45 P. M. 1/4 hour break down fishing tool, trip in, back in hole with
7-7/8" OWC Bit No. 18 at 7:15 P. M. Start Circulating and reaming at
4300', 3/4 hour washing and reaming 4800', 2 hours wash and ream from
4800' to bottom. Start drilling at 10:00 P. M. Still drilling at 12
midnight. Bit No. 17 made 300' - 7-3/4 hours- 4625' to 4925' Sand and Shale.

- 10-7-59
4980'-5210'
T.D. Run
Casing
- Drilling with Gas and Water.
Morning Tour- 230' (10-1/2 Hrs. Drilling, 3/4 Hours, Circ.) 4980' to 5210' Sand and Shale.
Evening Tour. Total Depth (2 Hours Circulating) Run 5-1/2" Casing.
Drill til 6:00 A. M., Check for gas 3/4 hours, no increase, drill til 11:15 A. M. Reach Total Depth of 5210', circulate 2-3/4 Hours, trip out, out of hole at 5:00 P. M., Rig up and start running 5-1/2" casing at 6:00 P. M. Ran 160 Joints, 5-1/2" Casing at 6:00 P. M., ran 161 Jts., 5-1/2", 15.50#, J-55, CP&I Smls Casing, that measured 5213.29', set at 5210', K. B. cemented with 500 sacks regular cement. Plug down at 12:30 A. M. 10-8-59. Used 10 sacks Lime A. M.
Bit No. 18 made 285'- 13 Hours- 4925' to 5210' Sand and Shale.
- 10-8-59
TC 5210'
- Total Depth 5210' W. O. C.
Finish casing job, plug down at 12:30 A. M. W.O.C. start laying down drill pipe (House Hole) finish laying down drill pipe at 1:00 P. M.
Strip out BOP, set 5-1/2" slips, cut off casing start nipples up tubing hanger. Finish at 6:00 P. M. Start breaking out gas and water lines.
Release Rotary Rig at 10:00 P. M. Start Rigging down.
- 10-9-59
W. O. C. Rigging Rotary Rig Down.
- 10-10-59
W. O. C. Rigging Down.
- 10-11-59
Rigging Down Rotary.
- 10-12-59
Rigging Down Rotary, moving to Ute No. 7
- 10-13-59
Moving in and Rigging up Work-Over Rig.
- 10-14-59
Rigging up work-over unit, string up blocks, McCullough Tool Company running ~~back~~ logs. Ran combination Gamma-Ray and Neutron logs to 5162', ran cement log found top of cement at 3870', found top cement plug inside 5-1/2" casing at 5163'. Rig crew hooking up pump, circulating tank, laying water lines, etc. Start mixing salt.
- 10-15-59
Start work at 6:00 A. M., finish mixing salt, start picking up tubing, ran 164 joints tubing in hole with Dowell, Inc. Abrasijet on bottom, run tubing to bottom of hole, install B. O. P. Displace hole with salt water, pull 16 joints tubing, shut down at 8:00 P. M.
- 10-16-59
Start work at 6:00 A. M. Dowell, Inc. hook up trucks start cutting with 3 stage Abrasijet at Zone 4660' to 4677', 3 holes per stage.
No. 1 stage at 4672'
No. 2 Stage at 4668'
No. 3 Stage at 4664'
Using 9,000 # 20/40 sand with salt water, finish third state at 2:45 P. M. circulate hole to clean out all sand, pull two joints tubing hook up to well head displace salt water from hole with diesel oil, pressure formation to 4500# psi, would not break. Displace diesel oil from hole with salt water to pull tubing. Shut down at 9:00 P. M.

10-17-59

Start work at 6:00 A. M. Pulling tubing out of hole with tubing break down Abrasijet Tools, go in hole with tubing open ended, stop tubing at 4680'. Dowell, Inc. spot 500 gallons mud acid across zone, pull tubing back to 4507', put well head on hook up casing and tubing together. Pressure formation to 2700# psi formation broke to 2200# psi. Put Acid away slow, shut down, displace salt water from hole with diesel oil, hook up 3 Allison's, start pumping with all trucks injection rate 20 barrels per minute at 3400# psi. Start sand at 1-1/2 # per gallon, increase to 2# per gallon, finish treatment at 2# per gallon. Flush with Diesel Oil using 25000# - 20/40 Sand. 700# Adomite, 500 Gallons Mud Acid with M-38- LST- NE.

310 Bbls. Diesel Oil with Sand, 120 bbls. Flush.

Maximum Treating Pressure- 3300# at 20 Barrels per minute.

Minimum Treating Pressure- 3050# at 20 barrels per minute.

Immediate Shut In Pressure 2350#, 15 Minute Shut In pressure 1950#.

30 Min. Shut In Pressure 1750#, 45 Minute Shut in Pressure 1650#.

Treatment complete at 4:19 P. M.

Leave Shut in overnight.

10-18-59

Open well at 7:30 A. M. flowed 100 bbls diesel oil cut with water to test tank. Start swabbing at 12 noon. Still heading slightly making more water, swabbed til 6:00 P. M., making 100% water, could not lower fluid below 350' from top of hole. Swabbing 20 bbls. per hour. Shut down at 6:00 P. M.

10-19-59

Open well at 7:00 A. M. T. P. 25#, slight show of gas, start swabbing swab til 6:00 P. M., 100% water all day with small amount of gas.

10-20-59

Open well at 6:00 A. M. T. P. 900#, making small heads of gas and 100% water, high fluid level in hole. Shut down at 6:00 P. M.

10-21-59

Open well at 6:00 A. M. T. P. 1150#, C. P. 1450#, flowing heads of gas and water cut with diesel oil, high fluid level in hole. Shut down at 6:00 P. M.

10-22-59

Open well at 6:00 A. M. T. P. 1000#, C. P. 1100#, would not flow, displaced hole with Salt water, remove Xmas Tree, install BOP, pull tubing preparing to squeeze. Put on Halliburton RTTS Packer, go in hole with Squeeze Tools. Fill test tanks with fresh water. Shut down at 7:00 P. M.

10-23-59

Start work at 7:00 A. M. Halliburton Squeeze Zone 4660' to 4777' with 100 sacks regular cement mixed with Radio Active Material to 5300# psi, Hold pressure 1 hour, release and pull tubing and make up 4-3/4" Bit. Go back in hole with tubing. Shut down at 6:00 P. M.

10-24-59

Drilling out 100' cement, pick up 16 joints tubing, wash and circulate to bottom (5163'). Lay down 2 joints tubing, test squeeze job to 3000# held ok, displace hole with Salt Water. Pull 4 Stands tubing, shut down at 9:00 P. M.

- 10-25-59 Start work at 6:00 A. M., finish pulling tubing, rig up McCullough to run Radio Active Tracer Survey. Survey shows perforations at correct intervals and treatment straight out from well bore, not up or down. McCullough then perforate zone 4980' to 4955' with Torpedo Jets, 52 Gram, 2 shots per foot. Lay down McCullough Tools, pick up Halliburton RTTS Packer, start in hole with tubing, run 11 stands. Shut down at 6:00 P. M., mix 240 sacks salt.
- 10-26-59 Start at 6:00 A. M., finish rubbing tubing, to 4989', hook up Dowell, Inc. pressure and test connections to 3000#. Spot 250 Gallons mud Acid across perforations, pull 2 joints tubing, set packer at 4950', Dowell, Inc. pressure and test connections to 5500#, break down with one pump, pressure formation to 2100# psi, break back to 1600# psi. Start 2 Allison's, injection rate 10 bbls per minute at 4300#. Start sand at 1 # per Gallon, increase to 1-1/2# per gallon, increase to 2# per gallon. All sand in, start flush, flush complet. Maximum Injection Rate- 10.5 bbl. per minute at 4600#, minimum Injection Rate- 12.5 barrels per minute at 4200#. Using 16,000# - 20/40 Sand, 250 Gallon mud acid, 230 bbls. salt water with sand, 40# flush average 1.6# Sand per gallon. Average injection rate 12 bbls. per minute. Treatment complete at 10:45 A. M. Immediate Shut In - 1900#, 15 Minutes Shut In, 1200#, open well at 4:00 P. M., flow til 7:30 P. M. Shut in overnight.
- 10-27-59 Open well at 6:00 A. M. T. P. 900#, flowing well til 10:00 A. M. start swabbing well, making estimate of 1/2 million CFGPD with 10 to 15 bbls. frac and formation water per hour. Stop swabbing at 3:00 P. M. Well flowing til 6:00 P. M. Shut In.
- 10-28-59 Open well at 6:00 A. M. T. P. 1100#, Did not have to swab well, flowing estimate 10 to 20 bbls. water per hour with estimate of 750,000 CFGPD at 6:00 P. M. Shut In.
- 10-29-59 Open well at 6:00 A. M., flow til 10:00 A. M. Fill tubing with Salt Water, start out with tubing, out of hole at 2:00 P. M. McCullough rig up perforate zone 4762' to 4732' with Torpedo 54 Gram Jets, 2 shots per foot. Finish perforating at 6:30 P. M. Crew rig up to run casing scraper, mixed 200 sacks salt.
- 10-30-59 Run Baker casing Scraper on drilling line, well flowing back, pick up Halliburton Retrievable Bridge Plug and Packer. Go in hole set bridge plug at 4797' between bottom zone and zone 4762' to 4732'. Set Packer above 4732', rig up swab well down, well would not swab down, Packer Leaking, had communication with annulus. Re-set Packer at 4710', now holding. Swabbing well down, made 5 runs. Shut down at 6:00 P. M. Mixed 200 Sacks Salt.
- 10-31-59 Start work 6:00 A. M. Finish mixing salt, rig up Dowell, Inc. to Frac.

Dowell Frac zone 4732' to 4762', swabbing well down. Packer holding ok. Bridge plugs OK. Hook up Dowell to well head. Pressure test connections to 5,000# psi. Start break down with 1 Allison. Pressure formation to 3,000# psi, formation break. Start 2 Allisons, pumping 9 bbls. per minute. Start sand at 1# per gallon, increase to 1-1/2# per gallon, increase to 2# per gallon. Start flush with salt water, blender picking up salt from tank shut down momentary to clean salt from blender. Finishing flush, pressure climb to 5200# psi. Shut down bleed tubing, back 8 or 10 bbls., start flush, pump 35 bbls flush at 3200# psi, rate 7 bbls. per minute. Flush complet at 3:15 P. M. Immediate Shut In Pressure 900#, 5 Minute Shut In Pressure 700#. 15 Minute Shut In Pressure 600#, Maximum Treating Pressure 4400# at 12.5 barrels per minute. Minimum Treating Pressure 2800# at 8 barrels per minute. Fill and break down- 20 bbls. 240 Bbls. salt water with 17,000# 20/40 Sand. 35 Bbls. Salt Water Flush. 320# J-94, 250 Gallons Mud Acid. Max. Sand 2# per gallon. Min. 1# per Gallon. Average 1-1/2# per Gallon. Average injection- 10.7 Barrels per minute. Leave well shut in overnight.

- 11-1-59 Open well at 6:00 A. M. T. P. 250#. Flow 20 bbls. salt water and died. Start Swabbing, swabbed 40 bbls frac water, well start flowing, heading big slugs water, gas, increasing, will flow all night.
- 11-2-59 Flowing well flowed all night, still making frac water with small amount of sand, gas increased to approximately 1,000,000 CFGD. with heavy spray water. Will flow all night.
- 11-3-59 Well still flowing making estimated 750,000 CFGD, heavy spray frac water. Small amount sand, run back pressure valve in do-nut, remove B.O.P., install Xmas Tree, release work-over rig and 12 Noon. Open well. Start Rigging down Work-over rig.
- 11-4-59 Still flowing and testing.
- 11-5-59 Shut In.
- 11-6-59 Flowing well 24 hours, making heavy spray water and estimate of 650,000 CFGD.
- 11-7-59 Shut in until 11-10-59
- 11-11-59 Potential well at 2,000,000 CFGD.
- 11-12-59 Shut In, 11-12-59, 11-13-59, 11-14-59, 11-15-59, 11-16-59, 11-17-59.
- 11-18-59 Open well at 8:00 A. M. T. P. 1575#
1/2 Hour Flow- 4# Peto Tube- 1,500,000 CFGD.
1 Hour Flow- 2# Peto Tube- 1,000,000 CFGD.

- 11-18-59 2 Hour- 1-1/2# Peto Tube, 850,000 CFGD.
3 Hour- Flow- 1-1/2# Peto Tube, 850,000 CFGD.
4 Hour- Flow- 1# Peto Tube- 750,000 CFGD.
5 Hour- Flow- 1# Peto Tube- 750,000 CFGD.
6 Hour- Flow- 1/2# Peto Tube- 500,000 CFGD.
1/8" Stream water slightly salty and brackish.
- 11-19-59 Shut In.
- 11-20-59 Rigging up Double Drum Pulling Unit, hooking up mixing tank and pump mixing salt.
- 11-21-59 Finish rigging up, pulling unit, kill well with salt water, remove Xmas Tree, install B. O. P., release packer, pick up tubing, run to bridge plug. Release bridge plug, move to bottom of hole under bottom zone. Release, pull packer back to and set at 4710'. (Packer), turn zone 2 and 3 together. Install Xmas Tree, swab well.
- 11-22-59 Well flowing, put service unit on stand by time, break out lines, clean mixing tank, shut well in.
- 11-23-59 Open well, would not flow, looks like packer leaking, remove Xmas Tree, release Packer, move up and down. Hole to wash debris from mechanism of Packer. Reset Packer at 4710' add more weight, put Xmas Tree on. Swabbing well.
- 11-24-59 Swabbing well, kicked off, flowing by heads, making big heads of gas and water. Estimate of 700,000 CFGD. Shut in at 6:00 P. M.
- 11-25-59 Open well at 7:00 A. M. Would not flow, start swabbing, kicked off after 3 or four runs, well flowing, Shut in at 6:00 P. M.
- 11-26-59 Shut In.
- 11-27-59 Open well at 6:00 A. M., flow off dry gas, start slugging water and gas by heads. Flowing well til after noon. Take Xmas tree off, install B. O. P., hook up orbit valve, preparing to wash hole back to bridge plug on the account of apparently having some sand fill up.
- 11-28-59 Circulate hole with 9.8# salt water, pick up tubing and circulate to bottom to clean out sand, circulate hole, clean. Pull Packer back to 4710' set Packer, remove B. O. P., install Xmas Tree, swabbing well until well starts flowing. Flowing well.
- 11-29-59 Flowing well, release rig.
- 11-30-59 Shut In. Rigging down unit and moving off location.
- 12-1-59 Testing Well.
- 12-2-59 Testing Well.
- 12-3-59 Install 1/8" Choke to try to hold some back pressure on tubing.
- 12-4-59 Shut in for build up.

12-5-59 Open well at 7:00 A. M. to flow on 1/8" Choke. No pressure recorded on tubing gauge. Well flowing on 1/8" Choke.

12-6-59 Flowing on 1/8" Choke

12-7-59 Flowing on 1/8" Choke, making small amount water, estimate 250,000 CFCD. Flare went out last night, Karl Pink's face was burned slightly when he relit flare. No serious burn, slightly blistered and hair singed.

12-8-59 Well has been flowing on 1/8" choke for 5 consecutive 24 hour days. Estimate 1/2 bbls. water per hour with estimate of 250,000 CFCD. C. P. 150#, tubing- 0#, (but has bad gauge will replace gauge today.)

12-9-59 Still flowing on 1/8" gauge on tubing 375#, increase to 400# with new gauge. Casing 150#, Packer set bottom hole temp. expansion cause casing pressure estimate 1/2 barrel water per hour with approx. 250,000 CFCD.

12-10-59 No change, since 12-9-59, flowing on 1/8" Choke.

12-11-59 No change, since 12-10-59 will shut in tonight.

12-12-59 Shut In.

January 6,
1960 Check well for build up, C. P. 200# Packer Set, T. P. 1150#. Did not open.

1-8-60 Open well at 10:55 A. M. T. P. 1650#, 2" full choke. Dry gas 2 minutes, died down then heavy slugs water 5 minutes, then heavy spray of water with steady blow, still heavy spray with 100# Back Pressure on tubing. After 15 minutes flowing making heavy quick slugs water. After 30 minutes flowing then slugs start slowing down to almost steady stream, back pressure 0# on tubing at 1 Hr. flowing.
Peto Tube 1- Hour- 1-1/2# - 800,000 CFCD.
Peto Tube 2 Hour- 1-1/2# - 800,000 CFCD.
Still slugging heavy water after 2 hours flow. Estimate water 10 to 12 Barrels per hour. Shut in after 2 hour flow.

Turned in Potential with U. S. G. S. 12-11-59 at 1,000,000 CFCD.

BIT RECORD

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>DEPTH</u>		<u>FEET</u>	<u>HOURS</u>
				<u>FROM</u>	<u>TO</u>		
1	12-1/4	REED	YTI	0	201	201	12
2	17-1/2	REED	REAMER	0	199	199	7
3	11	HTC	OSC-1G	201	875	674	11
4	11	HTC	OSC-3	875	1120	245	8-1/2
5	11	HTC	OWSV	1120	1229	109	11-1/4
6	11	HTC	OSC-1G	1229	1521	292	12-1/2
7	11	HTC	OSC-1	1521	1744	223	8-1/2
8	7-7/8	HTC	OWV	1744	2028	284	7-1/4
9	7-7/8	REED	YSI	2028	2367	346	5-1/4
10	7-7/8	SEC	M4N	2367	2734	367	8-1/4
11	7-7/8	REED	YSI	2734	2950	216	6-1/2
12	7-7/8	SEC	M4N	2950	3269	319	8
13	7-7/8	REED	YSI	3269	3510	241	7
14	7-7/8	HTC	OWV	3510	3870	360	8-1/4
15	7-7/8	HTC	OWV	3870	4231	360	10-3/4
16	7-7/8	HTC	OW	4230	4625	315	12-1/4
17	7-7/8	REED	YSI	4625	4925	300	7-3/4
18	7-7/8	HTC	OWC	4925	5210	285	13

SLOPE TESTS

68' - 1/2°
 201' - 1/2°
 1521' - 1°

- 3910-50 Sand, sandstone, very light gray, very light gray-green, fine to medium grained, angular to sub-rounded, clear frosted, with occasional very light pink and orange quartz grains, trace gray to black chert grains, slightly micaceous, calcareous, kaolinitic, friable to firm, scattered very poor to fair porosity, trace interbedded gray, gray-green shale, calcareous sub-waxy, trace limestone light tan, brown micro-xln.
- 3950-4010 Shale, gray, gray-green, calcareous sub-waxy, trace limestone brown, cream-tan, crypto to micro-xln trace interbedded sandstone as above trace siltstone, light gray calcareous trace pyrite.
- 4010-60 Interbedded limestone brown to tan, cream-tan, crypto to micro xln, slightly micro-oolitic, ostracdoal den brittle tite trace chert, amber-brown, and shale very light to dark gray-brown, gray-tan, tan dolomitic very firm blocky.
- 4060-4130 Shale, gray-green, green, light gray, brown-gray, sub-waxy calcareous very weak trace varicolored shale with scattered trace very light gray-green, fine to medium grained, sandstone trace limestone as above.
- 4130-4230 Shale light gray, light gray-green, varicolored sub-waxy with considerable cavings with trace silty and sandy streaks white very light gray, green-white, fine to medium grained, trace pyrite.
- 4230-50 Siltstone, sandstone, very light gray, light purple-gray, very fine grained, slightly calcareous micro-micaceous, with considerable varicolored shale.
- 4250-70 Sandstone, very light gray, very light green-gray, trace very light purple gray, very fine to medium grained, slightly calcareous, slightly micaceous, kaolinitic with fair trace varicolored shale.
- 4270-4360 Shale varicolored, very slightly calcareous trace micro-micaceous, sub-waxy, slightly meta-bentonite with scattered silty and sandy streaks as above.
- 4360-4410 Shale, rusty-red, red-brown, gray, green-gray, green, purple red, yellow, meta-bentonite sub-waxy, very slightly calcareous with scattered interbedded siltstone and sandstone, inclusions white, light gray-green, light green, light gray-purple-lavendar slightly micaceous, slightly calcareous.
- 4410-4500 Shale as above with scattered very silty and sandy streaks.
- 4500-30 Shale as above predominate rusty-red, red-purple, red-brown, gray-green, white, with scattered very silty and sandy streaks.
- 4530-4600 Siltstone, sandstone light gray, very light green-gray, light gray-red, very fine grained, slightly calcareous, slightly micaceous, firm, tite with considerable varicolored shale.
- 4600-20 Siltstone, sandstone as above very firm tite with trace shale as above.

- 4620-60 Interbedded rusty-red, gray-green, slightly calcareous shale and siltstone and sandstone streaks.
- 4660-90 Sandstone, very light green-white, very light gray, very fine to medium grained, angular to sub-rounded, clear frosted, with occasional trace light pink and trace orange quartz grains trace black chert grains, slightly micaceous fair sorting, friable trace poor porosity, trace varicolored shale.
- 4690-4730 Shale varicolored predominate red-purple, red-brown, red-green green, gray-green meta-bentonite, slightly calcareous, with trace sandstone.
- 4730-80 Sandstone, light green-white, light gray, slightly salt and pepper, very fine to medium grained, angular to sub-rounded clear frosted with trace very light pink and orange quartz grains, trace gray to black chert grains, slightly micaceous, trace light green clay matrix, kaolinitic firm, tite with trace varicolored shale.
- 4780-4950 Shale varicolored with silty and sandy inclusions.
- 4950-5000 Siltstone, sandstone, very light gray, very light green-white, very fine to medium grained, angular to sub-rounded, clear frosted with scattered trace varicolored quartz grains, and trace very light gray to black chert grains, trace green, to black accessory mineral micaceous, kaolinitic, slightly argillaceous slightly calcareous, trace varicolored shale.
- 5000-60 Shale varicolored, meta-bentonite slightly calcareous, with fair trace siltstone and sandstone as above.
- 5060-80 Siltstone, sandstone, very light gray-green, very light green-white, very fine to medium grained, angular to sub-rounded, clear frosted, with trace very light pink, orange quartz grains, trace gray to black chert slightly micaceous kaolinitic trace varicolored shale.
- 5080-5210 Interbedded siltstone, sandstone as above with considerable shale rusty-red, red-brown, purple-red, red-green, green, gray-green, gray, yellow, olive, meta-bentonite slightly calcareous sub-waxy.

UTER TRAIL UNIT WELL NO. 2

HOURS DRILLING, CIRCULATING OR REAMING
WITH GAS

9-26-59	Set Surface Casing, Plug Down 8:30 A. M.			
9-27-59	W. O. C. 48 Hours.			
9-28-59	Drilling with Gas	Hours A. M.	Hours P. M.	Total Hours
9-28-59		2-1/2	10	12-1/2
9-29-59		9-1/2	11	20-1/2
9-30-59		11-1/2	11	22-1/2
10-1-59		6	7	13
10-2-59		8-1/2	8-1/4	16-3/4
10-3-59		7-3/4	8-3/4	16-1/2
10-4-59		7-3/4 -3/4	10-3/4	19-1/4
10-5-59		9-1/2	7-1/4	16-3/4
10-6-59		5-1/4	5	10-1/4
10-7-59		11-1/4	2	13-1/4
10-8-59	Set 5-1/2" Casing			
10-9-59	Rigging Rotary Rig down			
TOTAL HOURS DRILLING WITH GAS				<u>161-1/4</u>

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-01198-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Ute Trail

8. FARM OR LEASE NAME

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Bitter Creek

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

22-T-10S, R-22-E S.L.M.

12. COUNTY OR PARISH

Uintah

18. 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

2. NAME OF OPERATOR
DeKalb Agric. Assoc. Inc.

3. ADDRESS OF OPERATOR
P.O. Box 523, Vernal, Utah

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

660 ft. EWL, 660 ft. SNL Sec. 22

14. PERMIT NO.

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

5172 D.F.

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

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

7-1-64
To
7-3-64

Moved in pulling unit pulled tubing, ran Howco D.C. retainer, tool @ 4460' cemented across Wasatch perforations 4664-4980 W/130 SXS W/15 SXS plug from 4460'-4260', perforated W/4 csg. jots/ft. from 1455-1457, set Howco D.C. retainer @ 1215' cemented across Greenriver W/175 SXS 50-50 poz-mix., cemented between 13 3/8" & 5 1/2" csg. W/100 SXS cement W/25#/SX gilsonite, 10% gel, W/1/2 lb. flo-cele/SX and 2% CACL.. 15 SXS reg. cement cap in top of 5 1/2" csg. 100-0'. Set location marker prep to clean level and abandon location.

Detail of Plugging operation

- I. Plug #1 tool @ 4400' squeeze across Wasatch W/130 SXS leave 200' 15 SXS cement from 4460-4260'.
- II. Plug #2 perforate oposite Greenriver formation W/4 Csg. Jots/ft. 1455-1457, set tool @ 1215; squeeze across perms W/175 SXS poz-mix. displaced to tool.
- III. Plug #3 Cap 5 1/2 csg. W/15 SXS 100'-0'.
- IV. Plug #4 Cement between 5 1/2" & 13 3/8" W/100 SXS W/25#/SX gilsonite, 10% gel, 1/2 lb. Flo-cele/SX and 2% cacl.

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

SIGNED

G. F. [Signature]

TITLE Production-Drilling Supt.

DATE 8-4-64

(This space for Federal or State office use)

APPROVED BY _____

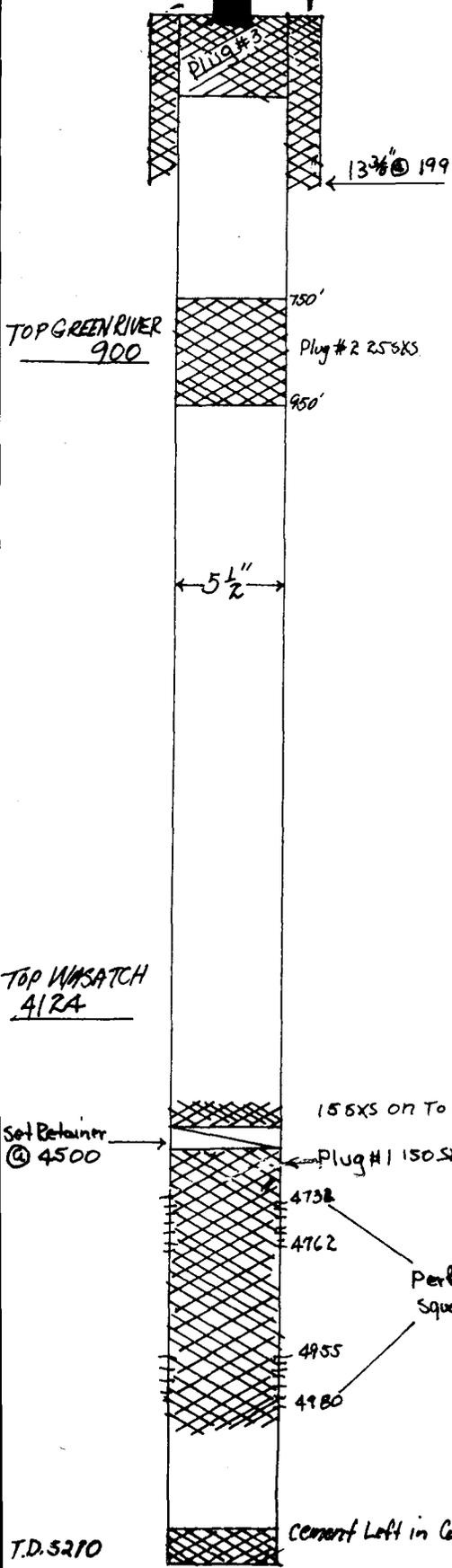
TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

DATA SHEET
AND ABANDONMENT PROGRAM
UTE TRAIL UNIT #8
NW 22-10S-22E

4"X4" IRON MARKER
Plug #4 5 3/8" / 13 3/8"



T.D. 5210'

Tubular Record: 13 3/8" H-40 48# set @ 199' W/200 SXS.
5 1/2" J-55 15:50# set @ 5210' W/500 SXS.
2 7/8" J-55 650# set @ 4710'

Perforations: Wasatch abrasive jet 4664, 4668, 4672, 2TJ/ft
4732-62', 4955-80'

Initial Potential: 2,500 MCF/D W/est 120 bbls. water per day.

Production Data: Production nil, no production except for a small amount of test gas.

PROPOSED PLUGGING PROGRAM

Plug #1 150 SXS reg. cement squeezed across perforations

Plug #2 25 SXS reg. cement 950'-750'

Plug #3 15 SXS reg. cement 100'-0'

Plug #4 100 SXS reg. cement casing head squeeze between strings.

Remarks: Zone 4644, 4668 & 4672 squeezed off during initial completion attempt W/100 SXS Reg. cement very doubtful results indicated on this squeeze. Minimum location work, but some road repair necessary to move in pulling unit.

No Commercial production was found.

DEKALB AGRICULTURE ASS'N., Inc.

J.F. Tadlock
J.F. Tadlock

Prod. Drilling Superintendent

TOP WASATCH
4124

Set Retainer
@ 4500

15 SXS ON TOP OF RETAINER 100' Plug-

← Plug #1 150 SXS Squeezed across perfs

4738

4762

Perforations now OPEN in wasatch
squeeze off w/ Plug #1

4955

4980

Cement Left in Casing below Float Collar.

SCALE - NONE
J.F.T. 4-1-64

T.D. 5210