

- Scout Report sent out
- Noted in the NID File
- Location map pinned
- Approval or Disapproval Letter
- Date Completed, P. & A. or operations suspended
- Pin changed on location map
- Affidavit and Record of A & P
- Water Shut-Off Test
- Gas-Oil Ratio Test
- Well Log Filed

9-17-59 Sheet 1

★ Effective 12-8-71, Gas Producing Ent, Inc. purchased from Tennoco Oil Co. this well.

Bond NOT filed
W/ Bond But 8-18-59
 Re: Mrs. Thompson
 See Correspondence

USGS has not approved - call Pan before approving

| | |
|---|--|
| FILE NOTATIONS | |
| Entered in NID File <input checked="" type="checkbox"/> | Checked by Chief <input type="checkbox"/> |
| Dr S R Sheet <input checked="" type="checkbox"/> | Copy NID to Field Office <input type="checkbox"/> |
| Location Map Pinned <input checked="" type="checkbox"/> | Approval Letter <input type="checkbox"/> |
| Card Indexed <input checked="" type="checkbox"/> | Disapproval Letter <input checked="" type="checkbox"/> |
| IWR for State or Fee Land <input type="checkbox"/> | |
| COMPLETION DATA: | |
| Date Well Completed 9/29/59 | Location Inspected <input type="checkbox"/> |
| OW <input type="checkbox"/> WW <input type="checkbox"/> TA <input type="checkbox"/> | Bond released <input type="checkbox"/> |
| GW <input checked="" type="checkbox"/> OS <input type="checkbox"/> PA <input type="checkbox"/> | State of Fee Land <input type="checkbox"/> |
| Driller's Log 10/22/59 | LOGS FILED Well History & Pressure Buildup sonves |
| Electric Logs (No. 1) 3 | |
| E <input type="checkbox"/> I <input type="checkbox"/> E-I <input checked="" type="checkbox"/> GR <input type="checkbox"/> | duplicate copies |
| Lat. <input type="checkbox"/> Mi-L <input type="checkbox"/> Sonic <input checked="" type="checkbox"/> GR-N <input type="checkbox"/> Micro <input checked="" type="checkbox"/> | |
| | Others <input type="checkbox"/> |

★ 1-11-62, as of Nov. 1961, This well was connected to gas line.

Tenneco took over operations July, 1967

7-15-92
 CHD

Bob Leake

435 -

781-5327

Vernal office

DEKALB COMPLETION RPT.

205 x K&G 13 3/8 205' J-55 48 #/FOOT

500 SX RIG 5 1/2 5604' J-55 15.5/FOOT

WASATCH

SKIT 29 1959

GAS PRODUCTIONS ENTERPRISES INC

SUB OF CORSTAL

DEC 9 1971 TOOK OVER
OWNERSHIP.

NOV 1975 SHUT IN INDEFINITELY

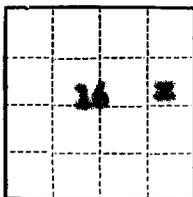
MARCH 1990 SUNDRY TO

CLASSIFY AS A WATER WELL

FIRST WATER RIGHT FILED

MIKE QUALER A G'S

OFFICE



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake City**
State # **KL-10755**
Lease No. _____
Unit **Default- Tenure # 1**
UNITAR 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)

August 13, 1959

Well No. 1 is located 2010 ft. from N line and 330 ft. from E line of sec. 16
SE/4 of NE/4 of Sec. 16 7-10-9, 3-21-9 S. L. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Kane Utah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5648 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)

ANTICIPATED FORMATION TOPS:

Spud in Utah Formation
Green River - 775'
Wasatch - 4275'
Total Depth - 5600'
 Type of Tools: Drill with Rotary tools.
 Mud Program: Drill with water through lost circulation zones. Mud up as deemed necessary by water and loss circulation zones.
 Cures and Tests: Cures and tests will be dependent upon gas and oil shows as well as sand and limestone developments.

CASING PROGRAM:

Surface- Set Approx. 200' of 13-3/8"
Csg., 100' cement w 175 sacks.
 Intermediate: Set Approx. 1800' of
8-5/8", 320' csg. cement w 300 sacks
 Intermediate will be set only if needed.
 Production: Set Approx. 5600' of
5-1/2", 15.5# csg. cement with 800 Sx.

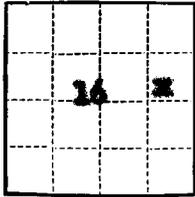
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company DEKALB AGRICULTURAL ASSN., INC.

Address Box 500

Verona, Utah

By W. Montgomery
 Title Landman



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. State # WL-10755
Unit DeKalb- Tenney # 1
UINTAH 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)

August 13, 1959

Well No. 1 is located 2310 ft. from NS line and 330 ft. from EW line of sec. 16

SE/4 of NE/4 of Sec. 16 T-10-S R-21-E S. 1. N.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blaine Utah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is Not Run 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)

ANTICIPATED FORMATION TOPS:

Spud in Uintah Formation
Green River - 775'
Wasatch - 4275'
Total Depth - 5600'
Type of Tools: Drill with Rotary tools.
Mud Program: Drill with water through lost circulation zones. Mud up as deemed necessary by water and loss circulation zones.
Cores and Tests: Cores and tests will be dependent upon gas and oil shows as well as sand and limestone developments.

CASING PROGRAM:

Surface- Set Approx. 200' of 13-3/8" Csg., 40# cement w 175 sacks.
Intermediate: Set Approx. 1600' of 8-5/8", 32# csg. cement w 200 sacks
Intermediate will be set only if needed.
Production: Set Approx. 5600' of 5-1/2", 15.5# csg. cement with 800 Ss.

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

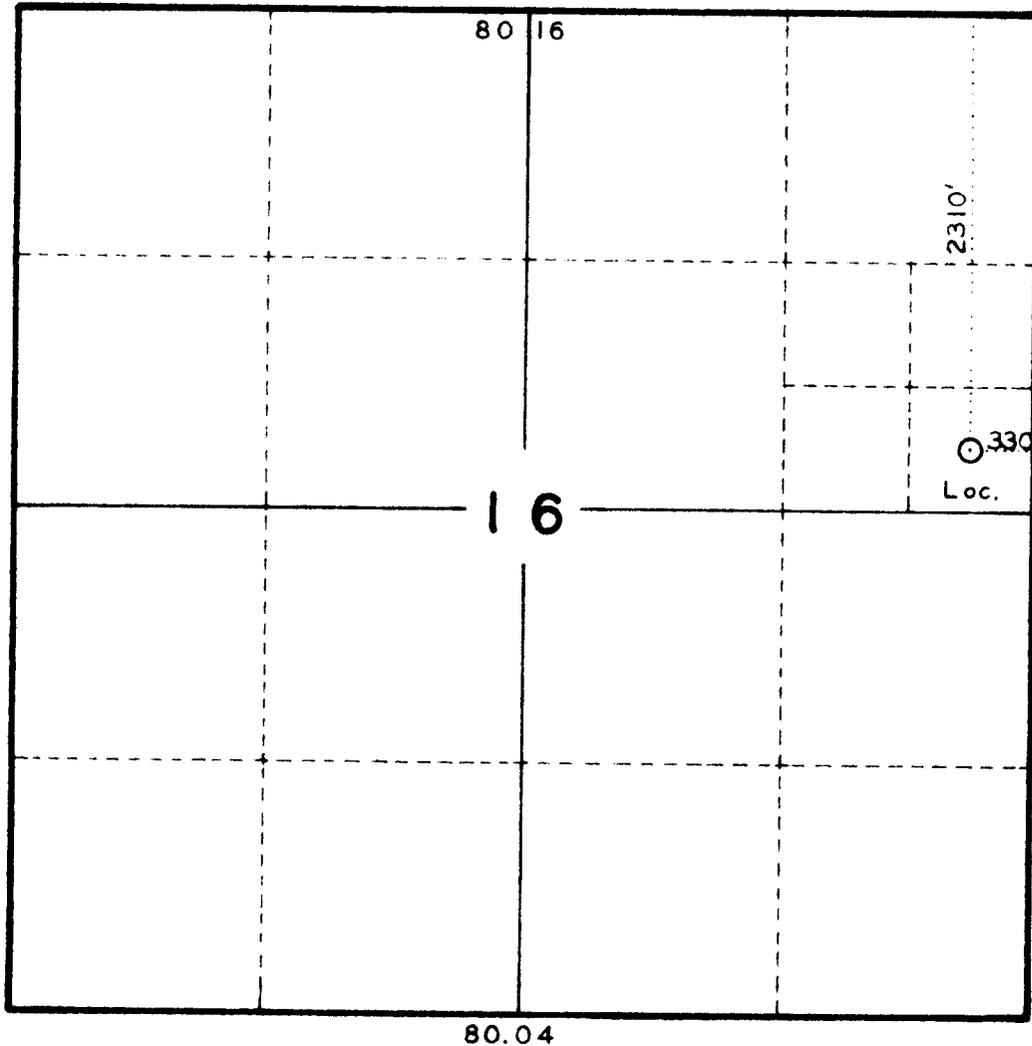
Company DEKALB AGRICULTURAL ARMY, INC.

Address Box 583

Verona, Utah

By W. C. Montgomery
Title Landman

T 10 S, R 21 E



Scale: 1" = 1000'

Note: No corners on this section were found.
 This survey was run in from brass cap section corners on West township line using distances and bearings as shown on USGLO survey township plat approved Aug., 1883.

R. D. Ross

By: ROSS CONSTRUCTION CO.
 Vernal, Utah

| | | |
|--|--|---|
| PARTY R. D. ROSS M. SLAUGH L. TAYLOR | SURVEY DEKALB AGRICULTURAL ASSOCIATION, INC. - THE TEXAS CO. WELL NO. 1 UINTAH UNIT CENTER SE/4, SE/4, NE/4, SECTION 16, T10S, R21E, SLB & M, UINTAH COUNTY, UTAH. | DATE JULY 29, 1959 RE. RENCES USGLO SURVEY APPROVED AUG. 1883 FILE DEKALB |
| WEATHER WARM, CLOUDY | | |

August 14, 1959

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

Attention: W. Montgomery, Landman

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Uintah Unit - State 1, which is to be located 2310 feet from the north line and 330 feet from the east line of Section 16, Township 10 South, Range 21 East, SLEM, Uintah County, Utah.

The proposed location for the above mentioned well is an unorthodox location. Therefore, before approval can be given for the drilling of said well, it will be necessary for you to either file a new notice of intention to drill in accordance with Rule C-3(b) of our rules and regulations or file a copy of the Uintah Unit Agreement with this office as provided for by Rule A-3 of said rules and regulations.

Please be advised that the approval of this Commission is not necessary when an unexecuted copy of the unit agreement is on file with this office. In such a case, it is only necessary to file copies of all notices of intention and subsequent reports that are filed with the United States Geological Survey (See Rule A-3).

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

cc: State Land Board

DEKALB

Agricultural Association, Inc.
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division

P. O. BOX 523
VERNAL, UTAH
TELEPHONE 1073

August 15, 1959

The State of Utah
Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

ATTENTION: Mr. Cleon B. Feight
Executive Secretary

Gentlemen:

In response to your letter of August 14, 1959 we enclose for your files an unexecuted copy of the Uintah Unit Agreement. This is in conformance with Rule A-3 of the State of Utah rules and regulations.

Yours very truly,

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



W. C. Montgomery, Jr.
Landman

WCM/cc
Encl.

August 17, 1959

Re: Well No. Uintah Unit - State 1

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

Attention: W. Montgomery, Landman

Gentlemen:

This is to acknowledge receipt of your unexecuted copy of the Uintah Unit Agreement.

Please be advised that this unit must be approved by the Federal government before Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, becomes effective.

Also, it will be necessary for you to file a bond with the State Land Board covering wells drilled on Mineral Lease 10755. A copy of this letter is being forwarded to the State Land Board with a request that they forward the necessary bond forms to you.

Therefore, to reiterate, before the above mentioned well can be approved by this office it will be necessary for the Uintah Unit Agreement to be approved by the U. S. Geological Survey and a bond to be filed with the State Land Board, or for you to comply with our spacing rule and file the bond as stated above.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

cc: State Land Board
105 State Capitol
Salt Lake City, Utah

Don Russell-4565

August 18, 1959

Mr. Frank J. Allen, Director
State Land Board
105 State Capitol Building
Salt Lake City, Utah

Re: Well No. Uintah Unit - State 1,
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 16, Township 10
South, Range 21 East, SLEM,
Uintah County

Dear Mr. Allen:

As per our telephone conversation of this date, thank you for allowing DeKalb Agricultural Assn. to spud in the above mentioned well under the state-wide bond furnished this Commission by the said company until such time as a new bond can be issued in favor of the State Land Board.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

cc: DeKalb Agricultural Assn. Inc.
Vernal, Utah

D. F. Russell, Dist. Eng.
U. S. Geological Survey
Salt Lake City, Utah

August 18, 1959

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

Attention: W. Montgomery, Landman

Re: Well No. Uintah Unit - State 1,
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 16, Township 10
South, Range 21 East, SLN $\frac{1}{4}$,
Uintah County

Gentlemen:

With reference to our telephone conversation of this date,
please be advised that approval to drill the above mentioned
well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
EXECUTIVE SECRETARY

CBF:co

cc: State Land Board
105 State Capitol Building
Salt Lake City, Utah

D. F. Russell, Dist. Eng.
U. S. Geological Survey
Salt Lake City, Utah

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE _____
 LEASE NUMBER Uintah 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 August, 1950,

Agent's address Box 523 Vernal, Utah Company DEKALB AGRICULTURAL ASSN., INC.
 Phone 1073 Signed J. H. Kay Agent's title Production Supt.

| 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) |
|---------------------|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|--|
| SENE 16 | 10S | 21E | 1 | -0- | -0- | -0- | -0- | -0- | -0- | 2175' Shale Drilling ahead |

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.

September 2, 1959

State Land Board
State Capitol Building
105 State Capitol Building
Salt Lake City, Utah

RE: State-Wide
Drilling Bond, Utah

Attention: Mr. Frank J. Allen

Gentlemen:

Enclosed please find in duplicate an executed State Wide drilling bond in the amount of \$25,000.00, in favor of the State Land Board, forwarded to you for your files.

When approved as to form by the Attorney General please return a copy to this office.

Yours very truly,

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

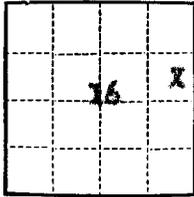


W. C. Montgomery, Jr.
Landman

WCM/dc

Encl.

cc Cleon B. Feight
Executive Secretary ✓
Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. State 21-10755
Unit DeKalb- Texaco # 1
Uintah Unit

SUNDRY NOTICES AND REPORTS ON WELLS

Handwritten notes:
JH
9-11

| | | | |
|---|--|---|---|
| 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 8, 1959

Well No. 1 is located 2310 ft. from [N] line and 330 ft. from [E] line of sec. 16
SE/4 NE/4 Sec. 16 T-10-S, N-21-E S. L. N.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wintest 2 Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5158.8 ft. C. L. 5169.8 K. B.

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 2372'

Ran 58 Jts., 8thd, J-55, 32#, 8-5/8" casing. Overall length 1847.48'. Set at 1832' K. B.
Cemented with 300 sacks regular cement, plus 25 Calcium Chloride. Plug Down at 8:25 P. M.
August 31, 1959. W. O. C. 48 Hours. Top of Cement 1390'. Tested Casing to 1,000#psi,
for 30 minutes. No indication of pressure drop. Resume Drilling.

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

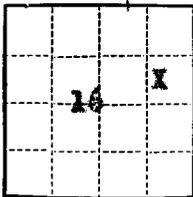
Company DEKALB AGRICULTURAL ASSN., INC.

Address Box 523

Vernal, Utah

By J. R. Ray

Title Production Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Salt Lake City

Land Office State ML-10755
Lease No. DeKalb-Terrace # 1
Unit UINTAH 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 17, 1959

Well No. 1 is located 2310 ft. from N line and 330 ft. from E line of sec. 16
~~SW~~
SE/4, NE/4 Section 16 T-10-S, R-21-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 5158.8 ft. G. L., 5169.8 K. B.

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 5606'. Ran Electric logs, circulated to clean up hole, laid down drill pipe. Ran 176 Jts. 5-1/2", J-55, 23# Casing, set at 5604'. Cemented with 500 sacks regular cement. Plug down 7:15 A. M. September 16, 1959. W. O. C. 48 Hours.

Ran Temperature Survey and found top of cement at 3800'.

Will perforate and frac sand zones: 5246' to 5268', 5305' to 5315' and 5505' to 5525'.

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 J. A. Ray
Title Production Supt.

Mr. Feight:

On Sept. 16, 1959, the Director consented to \$25,000 blanket bond received from DeKalb Agricultural Association, Inc.

AT
9-25-59

| | | | |
|--|----|--|---|
| | | | |
| | | | X |
| | 16 | | |
| | | | |

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. State ML-10755
Unit DeKalb-Texaco #1
Uintah 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)

September 28, 1959

Well No. 1 is located 2310 ft. from N line and 330 ft. from W line of sec. 16

SE NE Sec. 16 T-10-S, R-21-E SLM
(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 5169 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 5606'. Perforated 5258-5266', 5308-5314', 5510-5526' with 2 Torpedo Jets perfoot. Spotted 250 bbls Acid broke at 4200# broke back to 1300#. Fraced with 380 bbls diesel oil, 28,000# Sand, 1,500# Adomite, Max. treating pressure 3600#, Min. 3500#. Average injection rate 28 bbls per minute, 130 bbls with 1-1/2# per gallon sand, 250 bbls with 2# per gallon sand. Immediate SIP 1400#, 5 minute 1300#, 15 minute 1200#. Installed Xmas Tree, testing 5 Million Cu. Ft. gas per day.

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 P. O. Box 523

Vernal, Utah

By [Signature]

Title Production Superintendent

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER _____
UNIT Uintah 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, 19 59,

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

Vernal, Utah Signed J. H. King

Phone 1073 Agent's title Production Supt.

| SEC. AND ¼ OF ¼ | 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) |
|--------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| SENE -16 | 10S | 21E | 1 | -0- | -0- | -0- | -0- | -0- | -0- | Total Depth 5605', Ran Casing, Perforated and Fraced, now testin after frac. Will install Xmas Tree and 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.

October 23, 1959

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

Havenstrite Oil Company
400 Havenstrite Building
811 West 7th Street
Los Angeles, California

Mr. Calhoun
3408 Via Oporto
Newport Beach, California

Gentlemen:

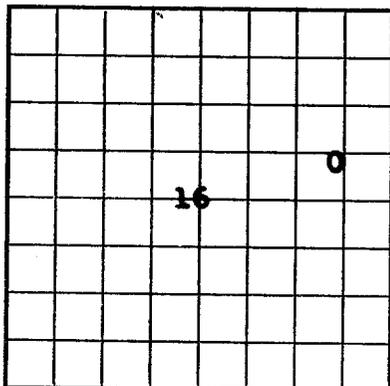
Enclosed please find for your files a Log of Oil or Gas wells on the # 1 Uintah Unit, Uintah County, Utah.

Yours very truly,

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

M. C. Johnson
Geologist

MCJ/dc
Encl.



LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Salt Lake City**
SERIAL NUMBER **State ML-10755**
LEASE OR PERMIT TO PROSPECT **Uintah Unit**

UNITED STATES **Uintah Co., Utah**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **DeKalb Agricultural Assn. Inc.** Address **P.O. Box 523, Vernal, Utah**
Lessor or Tract **Uintah Unit** Field **W. C.** State **Utah**
Well No. **1** Sec. **16** T. **10S** R. **22E** Meridian **SLM** County **Uintah**
Location **2310** ft. ^{N.} of **N** Line and **330** ft. ^{SE.} of **E** Line of **Section 16** Elevation **5169 DF**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed *M. C. Johnson* Title **Geologist**

Date **September 29, 1959**

The summary on this page is for the condition of the well at above date.

Commenced drilling **August 22, 1959** Finished drilling **September 15, 1959**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4815** to **4848 G?** No. 4, from **5505** to **5525 G**
No. 2, from **5245** to **5267 G** No. 5, from _____ to _____
No. 3, from **5300** to **5314 G** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **3300** to **3520** No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|----------------|-----------------|------------------|-------------|-------------|--------------|--------------------------|-------------|-------------|-------------------|
| | | | | | | | From— | To— | |
| 13-3/8" | 48# | | J-55 | 205' | KB | Open | | | Surface |
| 5-1/2" | 55.5# | | J-55 | 500' | KB | Guide & Float | 5258 | 5266 | Gas |
| | | | | | | | 5308 | 5314 | Production |
| | | | | | | | 5510 | 5526 | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|----------------|-------------|-------------------------|------------------------|--------------|--------------------|
| 13-3/8" | 205' | 210 reg. cement | Pump & Plug | Water | |
| 5-1/2" | 560' | 500 sxs rg. cem. | Pump & Plug | 10.2# | |

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|-----------|------------|----------------|----------|---------|-------------------------------|-------------------|
| .68" hole | Torpedo | 52 grams | 2/ft. | 5/26/59 | 5258-66 5308-14 5510-26 | 5560' KB |

TOOLS USED

Rotary tools were used from **surface** feet to **5606** feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES

....., 19 **September 29**, 19 **59** Put to producing **shut in Sept. 28**, 19 **59**
 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 **5 MMCF** Gallons gasoline per 1,000 cu. ft. of gas
 Rock pressure, lbs. per sq. in.

EMPLOYEES

Ralph Murray, Pusher Driller **Tom Chandler** Driller
Larry Caldwell Driller **Leo Jorgenson** Driller

FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---------|------|------------|------------------|
| Surface | 1250 | 1250 | Uintah |
| 1250 | 4450 | 3200 | Green River 1250 |
| 4450 | 5606 | 1156 | Wasatch 4450 |
| | | | T. D. 5606 |

FORMATION TOPS:

(OVER) FORMATION RECORD—Continued

AMB
Z

WELL HISTORY

DEKALB TEXACO
#1 UINTAH UNIT
SE NE 16, T-10-S, R-21-E
UINTAH CO., UTAH

BUILD UP

UINTAH UNIT # 1

This well was shut in for Build Up at 2:00 P.M. August 9, 1962.
Results of the Build Up are shown in the table below:

| DATE | TIME | SIPT psig | SIPC psig | REMARKS |
|---------|------------|--------------|--------------|-----------------------------------|
| 8-9-62 | 2:00 P.M. | 433 | | Flowing tubing press. Dead Weight |
| 8-13-62 | 5:00 P.M. | 867 | 871 | Dead Weight Gauge |
| 8-14-62 | 1:00 P.M. | 939 | 940 | " " " |
| 8-15-62 | 12:30 P.M. | 976 | 977 | " " " |
| 8-16-62 | 2:00 P.M. | 1004 | 1005 | " " " |
| 8-17-62 | 1:30 P.M. | 1024 | 1025 | " " " |
| 8-18-62 | 4:00 P.M. | 1044 | 1049 | " " " |
| 8-19-62 | 1:30 P.M. | 1064 | 1065 | " " " |
| 8-20-62 | 2:00 P.M. | 1083 | 1084 | " " " |
| 8-21-62 | 8:00 P.M. | 1103 | 1104 | " " " |
| 8-22-62 | 11:00 A.M. | 1117 | 1119 | " " " |
| 8-23-62 | 11:30 A.M. | 1135 | 1136 | " " " |
| 8-24-62 | 10:30 A.M. | 1149 | 1150 | " " " |
| 8-29-62 | 10:00 A.M. | 1206 | 1207 | Dead Weight Gauge |
| | | | | Ran B & R Bomb BHP @ 5510° K.B. |
| | | | | 1371 psig |
| 8-29-62 | 2:00 P.M. | | | Open Well to Production |

TEMPERATURE ☆

B&R.SERVICE, INC.

☆ SURVEYS ☆ ☆

BOX 1048 - FARMINGTON, NEW MEXICO

Pressure Survey

COMPANY DEVALB AGRIL ASSN.

LEASE UINTAH

WELL # 1

FIELD

LOCATION

COUNTY UINTAH

STATE UTAH

DATE 8-29-62

SHUT-IN

ELEVATION

DATUM

ZERO POINT G.L.

TBG PRESSURE

CASING PRESSURE

T&G. DEPTH

CASING SET

P. B. T. D.

PACKER SET

CASING PERF.

MAX. TEMP 124°

FLU D LEVE. NONE

DEPTH

PSIG

GRADIENT

LUBE

1194

1000

1225

.03

3000

1290

.03

5000

1355

.03

5250

1362

.03

5510

1371

.03

TEMPERATURE ★

B&R SERVICE, INC.

★ SURVEYS ★ ★

BOX 1048 - FARMINGTON, NEW MEXICO

Pressure Survey

RECORDED
 MAR 1 1962
 APPROVED
[Signature]

COMPANY DEKALB AGR. ASSN., INC. LEASE UTAH
 FIELD LOCATION
 COUNTY UTAH STATE UTAH
 SHUT-IN 2-24-62 ELEVATION
 ZERO POINT G.L. TBG. PRESSURE
 TEG DEPTH CASING SET
 PACKER SET CASING PERF
 FLUID LEVEL BUILD-UP @ 5510' G.L.

DATE 2-24-62 3-3-62
 DATUM
 CASING PRESSURE
 P. B. T. D
 MAX. TEMP 124° F

| TIME | PSIG | TIME | PSIG | TIME | PSIG | TIME | PSIG |
|-------------------------|------|------|------|------|--------------|------|------|
| 0 Hrs. 2:45 PM. 2-24-62 | 862 | 25 | 1077 | 55 | 1179 | 85 | 1257 |
| 5 Min. | 864 | 26 | 1079 | 56 | 1181 | 86 | 1259 |
| 10 | 866 | 27 | 1082 | 57 | 1185 | 87 | 1261 |
| 15 | 868 | 28 | 1086 | 58 | 1188 | 88 | 1262 |
| 30 | 872 | 29 | 1090 | 59 | 1190 | 89 | 1265 |
| 45 | 875 | 30 | 1095 | 60 | 1192 | 90 | 1268 |
| 1 Hr. | 878 | 31 | 1099 | 61 | 1196 | 91 | 1270 |
| 2 | 895 | 32 | 1102 | 62 | 1199 | 92 | 1273 |
| 3 | 910 | 33 | 1106 | 63 | 1201 | 93 | 1276 |
| 4 | 927 | 34 | 1110 | 64 | 1204 | 94 | 1279 |
| 5 | 939 | 35 | 1113 | 65 | 1207 | 95 | 1282 |
| 6 | 952 | 36 | 1118 | 66 | 1209 | 96 | 1285 |
| 7 | 961 | 37 | 1121 | 67 | 1211 | 97 | 1287 |
| 8 | 974 | 38 | 1124 | 68 | 1213 | 98 | 1291 |
| 9 | 981 | 39 | 1129 | 69 | 1216 | 99 | 1294 |
| 10 | 992 | 40 | 1131 | 70 | 1220 | 100 | 1297 |
| 11 | 1001 | 41 | 1135 | 71 | 1222 | 101 | 1300 |
| 12 | 1010 | 42 | 1138 | 72 | 21 1077 1225 | 102 | 1302 |
| 13 | 1019 | 43 | 1141 | 73 | 1223 | 103 | 1304 |
| 14 | 1025 | 44 | 1144 | 74 | 1229 | 104 | 1307 |
| 15 | 1031 | 45 | 1147 | 75 | 1231 | 105 | 1309 |
| 16 | 1038 | 46 | 1150 | 76 | 1233 | 106 | 1311 |
| 17 | 1042 | 47 | 1153 | 77 | 1237 | 107 | 1314 |
| 18 | 1048 | 48 | 1156 | 78 | 1239 | 108 | 1317 |
| 19 | 1051 | 49 | 1160 | 79 | 1241 | 109 | 1320 |
| 20 | 1056 | 50 | 1163 | 80 | 1243 | 110 | 1322 |
| 21 | 1059 | 51 | 1167 | 81 | 1247 | 111 | 1323 |
| 22 | 1063 | 52 | 1170 | 82 | 1249 | 112 | 1325 |
| 23 | 1065 | 53 | 1173 | 83 | 1251 | 113 | 1328 |
| 24 | 1069 | 54 | 1176 | 84 | 1253 | 114 | 1330 |

TEMPERATURE ★

B&R SERVICE, INC.

★ SURVEYS ★ ★

BOX 1048 - FARMINGTON, NEW MEXICO

Pressure Survey

COMPANY DEVALB AGR. A. S. Co., INC.

LEASE UTAH

WELL # 1

FIELD

LOCATION

COUNTY UTAH

STATE UTAH

DATE 2-24-62 3-3-62

SHUT IN 2-24-62

ELEVATION

DATUM

ZERO POINT G.L.

TBG. PRESSURE

CASING PRESSURE

TBG. DEPTH

CASING SET

P. B. T. D.

PACKER SET

CASING PERF

MAX. TEMP 124 ° F

FLUID LEVEL

BUILD-UP @ 5510' G.L.

| TIME | PSIG | TIME | PSIG | TIME | PSIG | TIME | PSIG |
|---------------------|------|---------------------|-------------------------|------|------|------|------|
| 115 | 1332 | 145 | 1379 | | | | |
| 116 | 1334 | 146 | 1380 | | | | |
| 117 | 1337 | 147 | 1382 | | | | |
| 118 | 1338 | 148 | 1383 | | | | |
| 119 | 1340 | 149 | 1386 | | | | |
| 120 <i>2-1 1166</i> | 1341 | 150 | 1388 | | | | |
| 121 | 1342 | 151 | 1390 | | | | |
| 122 | 1343 | 152 | 1391 | | | | |
| 123 | 1345 | 153 | 1392 | | | | |
| 124 | 1346 | 154 | 1394 | | | | |
| 125 | 1348 | 155 | 1396 | | | | |
| 126 | 1349 | 156 | 1398 | | | | |
| 127 | 1350 | 157 | 1399 | | | | |
| 128 | 1351 | 158 | 1401 | | | | |
| 129 | 1353 | 159 | 1402 | | | | |
| 130 | 1355 | 160 | 1403 | | | | |
| 131 | 1357 | 161 | 1405 | | | | |
| 132 | 1358 | 162 | 1408 | | | | |
| 133 | 1360 | 163 | 1410 | | | | |
| 134 | 1361 | 164 | 1411 | | | | |
| 135 | 1362 | 165 | 1412 | | | | |
| 136 | 1364 | 166 | 1413 | | | | |
| 137 | 1366 | 167 | 1415 | | | | |
| 138 | 1368 | 168 <i>2-3 1234</i> | 1417 <i>= 1427 PSIG</i> | | | | |
| 139 | 1370 | | | | | | |
| 140 | 1370 | | | | | | |
| 141 | 1372 | | | | | | |
| 142 | 1373 | | | | | | |
| 143 | 1375 | | | | | | |
| 144 <i>2-2 1202</i> | 1377 | | | | | | |

SIFT 1231 PSIG SIFG 1234 PSIG

Supp H. L. S.

BUILD UP

UINTAH UNIT # 1

This well was shut in for Build Up at 2:00 P.M. August 9, 1962.
Results of the Build Up are shown in the table below:

| DATE | TIME | SIPT psig | SIPC psig | REMARKS |
|---------|------------|--------------|--------------|-----------------------------------|
| 8-9-62 | 2:00 P.M. | 433 | | Flowing tubing press. Dead Weight |
| 8-13-62 | 5:00 P.M. | 867 | 871 | Dead Weight Gauge |
| 8-14-62 | 1:00 P.M. | 939 | 940 | " " " |
| 8-15-62 | 12:30 P.M. | 976 | 977 | " " " |
| 8-16-62 | 2:00 P.M. | 1004 | 1005 | " " " |
| 8-17-62 | 1:30 P.M. | 1024 | 1025 | " " " |
| 8-18-62 | 4:00 P.M. | 1044 | 1049 | " " " |
| 8-19-62 | 1:30 P.M. | 1064 | 1065 | " " " |
| 8-20-62 | 2:00 P.M. | 1083 | 1084 | " " " |
| 8-21-62 | 8:00 P.M. | 1103 | 1104 | " " " |
| 8-22-62 | 11:00 A.M. | 1117 | 1119 | " " " |
| 8-23-62 | 11:30 A.M. | 1135 | 1136 | " " " |
| 8-24-62 | 10:30 A.M. | 1149 | 1150 | " " " |
| 8-29-62 | 10:00 A.M. | 1206 | 1207 | Dead Weight Gauge |
| | | | | Ran B & R Bomb BHP @ 5510' K.B. |
| | | | | 1371 psig |
| 8-29-62 | 2:00 P.M. | | | Open Well to Production |

TEMPERATURE ☆

B&R SERVICE, INC.

☆ SURVEYS ☆ ☆

BOX 1048 - FARMINGTON, NEW MEXICO

Pressure Survey

COMPANY DEVALB AGRIL ASSN.

LEASE UINTAH

WELL # 1

FIELD

LOCATION

COUNTY UINTAH

STATE UTAH

DATE 8-29-62

SHUT-IN

ELEVATION

DATUM

ZERO POINT G.L.

T&G PRESSURE

CASING PRESSURE

T&G DEPTH

CASING SET

P. B. T. D.

PACKER SET

CASING PERF

MAX. TEMP. 124°

FLU D LEVE. NONE

DEPTH

PSIG

GRADIENT

LUBE

1194

- - -

1000

1225

.03

3000

1290

.03

5000

1355

.03

5250

1362

.03

5310

1371

.03

TEMPERATURE ★

B&R.SERVICE, INC.

★ SURVEYS ★ ★

BOX 1048 - FARMINGTON, NEW MEXICO

Pressure Survey

RECORDED
 FILED
 MAR 1 1962
 APPROVED
J.F.D.

COMPANY DEKALB AGR. ASSN., INC. LEASE UINTAH
 FIELD LOCATION
 COUNTY UINTAH STATE UTAH
 SHUT-IN 2-24-62 ELEVATION
 ZERO POINT G.L. TBG. PRESSURE
 TBG DEPTH CASING SET
 PACKER SET CASING PERF
 FLUID LEVEL BUILD-UP @ 5510' G.L.

DATE 2-24-62 3-3-62
 DATUM
 CASING PRESSURE
 P. B. T. D
 MAX. TEMP 124° F

| TIME | PSIG | TIME | PSIG | TIME | PSIG | TIME | PSIG |
|-----------------|------|------|------|------|------|------|------|
| 0 Hrs. 2:45 PM. | 862 | 25 | 1077 | 55 | 1179 | 85 | 1257 |
| 5 Min. | 864 | 26 | 1079 | 56 | 1181 | 86 | 1259 |
| 10 | 866 | 27 | 1082 | 57 | 1185 | 87 | 1261 |
| 15 | 868 | 28 | 1086 | 58 | 1188 | 88 | 1262 |
| 30 | 872 | 29 | 1090 | 59 | 1190 | 89 | 1266 |
| 45 | 875 | 30 | 1095 | 60 | 1192 | 90 | 1268 |
| 1 Hr. | 878 | 31 | 1099 | 61 | 1196 | 91 | 1270 |
| 2 | 895 | 32 | 1102 | 62 | 1199 | 92 | 1273 |
| 3 | 910 | 33 | 1106 | 63 | 1201 | 93 | 1276 |
| 4 | 927 | 34 | 1110 | 64 | 1204 | 94 | 1279 |
| 5 | 939 | 35 | 1113 | 65 | 1207 | 95 | 1282 |
| 6 | 952 | 36 | 1116 | 66 | 1209 | 96 | 1286 |
| 7 | 961 | 37 | 1121 | 67 | 1211 | 97 | 1289 |
| 8 | 974 | 38 | 1124 | 68 | 1213 | 98 | 1291 |
| 9 | 981 | 39 | 1129 | 69 | 1216 | 99 | 1294 |
| 10 | 992 | 40 | 1131 | 70 | 1220 | 100 | 1297 |
| 11 | 1001 | 41 | 1135 | 71 | 1222 | 101 | 1300 |
| 12 | 1010 | 42 | 1139 | 72 | 1225 | 102 | 1302 |
| 13 | 1019 | 43 | 1141 | 73 | 1223 | 103 | 1304 |
| 14 | 1025 | 44 | 1144 | 74 | 1229 | 104 | 1307 |
| 15 | 1031 | 45 | 1147 | 75 | 1231 | 105 | 1309 |
| 16 | 1038 | 46 | 1150 | 76 | 1233 | 106 | 1311 |
| 17 | 1042 | 47 | 1153 | 77 | 1237 | 107 | 1314 |
| 18 | 1048 | 48 | 1156 | 78 | 1239 | 108 | 1317 |
| 19 | 1051 | 49 | 1160 | 79 | 1241 | 109 | 1320 |
| 20 | 1056 | 50 | 1163 | 80 | 1243 | 110 | 1322 |
| 21 | 1059 | 51 | 1167 | 81 | 1247 | 111 | 1323 |
| 22 | 1063 | 52 | 1170 | 82 | 1249 | 112 | 1325 |
| 23 | 1065 | 53 | 1173 | 83 | 1251 | 113 | 1328 |
| 24 | 1069 | 54 | 1176 | 84 | 1253 | 114 | 1330 |

21 1077

96 21 1124

1037

1040

TEMPERATURE ☆

B&R.SERVICE, INC.

☆ SURVEYS ☆ ☆

BOX 1048 - FARMINGTON, NEW MEXICO

Pressure Survey

| | | | | |
|---------------------------------|-----------------------|--------|-----------------|----------------|
| COMPANY DEVALB AGR. ASSN., INC. | LEASE | UINTAH | WELL | # 1 |
| FIELD | LOCATION | | | |
| COUNTY | STATE | UTAH | DATE | 2-24-62 3-3-62 |
| SHUT-IN | ELEVATION | | DATUM | |
| ZERO POINT | TBG. PRESSURE | | CASING PRESSURE | |
| TBG. DEPTH | CASING SET | | P. B. T. D | |
| PACKER SET | CASING PERF | | MAX. TEMP | 124 ° F |
| FLUID LEVEL | BUILD-UP @ 5510' G.L. | | | |

| <u>TIME</u> | <u>PSIG</u> | <u>TIME</u> | <u>PSIG</u> | <u>TIME</u> | <u>PSIG</u> | <u>TIME</u> | <u>PSIG</u> |
|---------------------|-------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|
| 115 | 1332 | 145 | 1379 | | | | |
| 116 | 1334 | 146 | 1380 | | | | |
| 117 | 1337 | 147 | 1382 | | | | |
| 118 | 1338 | 148 | 1383 | | | | |
| 119 | 1340 | 149 | 1386 | | | | |
| 120 <i>3-1 1166</i> | 1341 | 150 | 1388 | | | | |
| 121 | 1342 | 151 | 1390 | | | | |
| 122 | 1343 | 152 | 1391 | | | | |
| 123 | 1345 | 153 | 1392 | | | | |
| 124 | 1345 | 154 | 1394 | | | | |
| 125 | 1348 | 155 | 1396 | | | | |
| 126 | 1349 | 156 | 1398 | | | | |
| 127 | 1350 | 157 | 1399 | | | | |
| 128 | 1351 | 158 | 1401 | | | | |
| 129 | 1353 | 159 | 1402 | | | | |
| 130 | 1355 | 160 | 1403 | | | | |
| 131 | 1357 | 161 | 1405 | | | | |
| 132 | 1358 | 162 | 1408 | | | | |
| 133 | 1360 | 163 | 1410 | | | | |
| 134 | 1361 | 164 | 1411 | | | | |
| 135 | 1362 | 165 | 1412 | | | | |
| 136 | 1364 | 166 | 1413 | | | | |
| 137 | 1366 | 167 | 1415 | | | | |
| 138 | 1368 | 168 <i>3-3 1224 1417 = 1427 PSIG</i> | | | | | |
| 139 | 1370 | | | | | | |
| 140 | 1370 | | | | | | |
| 141 | 1372 | | | | | | |
| 142 | 1373 | | | | | | |
| 143 <i>3-2 1202</i> | 1375 | | | | | | |
| 144 | 1377 | | | | | | |

SIP 1231 PSIG SIP 1234 PSIG

FORMATION TOPS FROM ELECTRIC LOGS:

| | | |
|------------------------------------|--------------|-----------------|
| Spudded in Uintah Formation | | |
| Green River fm. | 1250' | (/ 3920) |
| Wasatch fm. | 4450' | (/ 720) |
| Total Depth | 5606' | |

| | | | |
|--------------|----------------------|------------------------------|----------------------|
| LOGS: | Schlumberger: | Induction-Electric | 1832 to 5582' |
| | | Micro-Log | 1833 to 5588' |
| | | Sonic Gamma-Ray | 1832 to 5584' |
| | Mercury: | Gamma-Ray Correlation | 4200 to 5560' |
| | McCullough: | Temperature | 2000 to 4200' |
| | | Lithologic | 200 to 5606' |

SAMPLE PROGRAM: One set of wet samples was caught every 10 feet, washed and sacked in cloth bags.

CORES: No cores were taken.

DRILL STEM TESTS:

DST # 1, 5500 to 5532', Initial shut in 30 minutes
Tool open 60 minutes, Final shut in 30". Test
opened with strong blow immediately with gas to surface
in 8 minutes at a rate of 300,000 CFPD, decreased
to 136,000 CFPD by end of test.
ISIP 2558 PSI, IFP 145 PSI, IHP 2783 PSI, FSIP 2411
PSI, FFP 155 PSI, FHP 2749 PSI.

MUD PROGRAM: Drilled from under surface casing to 5347 feet with gasiated water. One to two sacks of lime was added per hour drilling to prevent pipe corrosion. Due to sloughing Wasatch shales at 5050 to 5347 feet it became necessary to convert to chemically treated aqua gel mud. The mud system weight was maintained between 9.5 to 9.8 pounds per gallon, viscosity 45 to 55 cc and water loss less than 10 cc by daily chemical gel and barite treatment.

LOST CIRCULATION: Complete circulation was lost at 1018 and 1276 feet but with the use of gasiated water the loss was not serious.

WATER FLOWS: The first water zone was encountered at 1342 feet where an increase in water returns was noted. Other water zones were encountered from 1900 to 3550 feet. All water zones appeared to be fresh with occasional trace of brackish water.

OPERATOR: DeKalb Agricultural Assn., Inc.

WELL: # 1 Uintah Unit

LEASE: Utah State Mineral Lease- 10755

LOCATION: 2310' FNL, 330' FEL of section 16, T-10-S, R-22-E
S.L.M., Uintah County, Utah

ELEVATION: 5158.8 G.L., 5169.8 K.B.

COMMENCED: August 22, 1959 (6:00 AM)

SET SURFACE: August 23, 1959 (9:15 AM)

FROM UNDER SURFACE: August 25, 1959

REACHED TOTAL DEPTH: September 14, 1959 (8:00 PM)

COMPLETED: September 29, 1959

TOTAL DEPTH: 5606'

LITHOLOGY: M. C. Johnson

PRODUCTION: 5,300 MCFGPD

CASING: Surface: Set 13-3/8", J-55, 48#, 8rnd. thrd csg.
at 205' K.B. with 210 sacks regular
cement plus 2% CaCl.
Production: Set 5 1/2", J-55, 15.5#, 8rnd. Thrd. csg.
at 5604' K.B. with 500 sacks regular
cement.

HOLE SIZE: 12 1/4" hole to 205 feet. Reamed with 17 1/2" bit to 205
feet. Drilled 11" hole to 1831 feet then drilled
7-7/8" to 5606 feet.

CONTRACTOR: MIRACLE AND WOOSTER DRILLING COMPANY

TYPE RIG: Unit - 15

DRILLING TIME: One foot drilling time was maintained by means of
a geograph.

OIL & GAS SHOWS: It shows in varying degrees occur in the Uintah and Green River formation. Scattered good oil stained shale was noted in the Green River formation samples which are recovered from a gasiated water drilling medium are very fine grained to microscopic in size, Thus it is difficult to determine a percentage of oil or gas stain in the fragments. Using this method of drilling only practical way to test a drilling break with a show in the samples is to cut off the gas and shut down the mud pump. If the zone is saturated with hydrocarbons and has any pressure behind it there will be a continuous to sporadic flow of gas at the surface or a fill up of oil.

The Wasatch sands encountered at 5250 to 5270 and 5300 to 5315 feet did "kick" out gas and some distillate while the drilling gas and pump were shut down.

COMPLETION PROCEEDURE: The perforated intervals 5258 to 5266, 5308 to 5314 and 5510 to 5526 feet were fraced down the casing and tubing simultaneously. Spotted 250 gallon mud acid across perforations then pulled tubing up 400 feet above top of perforation. Tested lines to 4500 PSI. Fraced zones with 16,000 gallons diesel treated with 1500 pounds Adomite, and 28,000 pounds of 20/40 mesh sand. Formation broke down at 4200 PSI. Maximum treating pressure 3600 PSI Minimum 3500 PSI. Average injection rate 28 barrels per minute. Immediate shut in pressure 1400 PSI; 15 minute shut in 1200 PSI.

Tubing Pressure: 2240 PSI

Casing Pressure: 2240 PSI

BTU: 1062

Specify Gravity: 595

WELL HISTORY

UINTAH UNIT WELL # 1

- 8-15-59 Building roads, levelling location, preparing G. P. Water well for gas flow and laying water lines.
- 8-16-59 Building roads, water and gas line, R. O. W. levelling location, working on water system.
- 8-17-59 Moving in Rotary, laying gas line (Rig Crew) 14 men 8 hours each. working on water system. (Cont. Crew).
- 8-18-59 Rigging up Rotary Rig, laying gas line (Rig Crew) 15 Men 8 hours each.
- 8-19-59 Rigging up Rotary Rig, laying gas line (Rig Crew) 15 men 8 hours each.
- 8-20-59 Finish rigging up Rotary Rig and laying gas line. Start drilling rot hole with 8-3/4" bit at 9:00 A. M. Finish drilling rot hole with 8-3/4" bit at 6:00 P. M. Start reaming rot hole with 12-1/4" bit at 8:00 P. M. Still reaming at 12 midnight.
- 8-21-59 Reaming on rot hole til 2:00 A. M. Used all available water at rig. Stop reaming, wait on water til 12 midnight.
- 8-22-59 Drilling with mud and water.
Morning Tour, 45' (3 hours drilling with mud) 0-45', Shale.
Evening Tour, 163' (6-1/2 hours drilling, 1 hour ream) 45' to 208' Shale.
Spud 6:00 A. M. Wait on water until 5:00 A. M., Finish drilling rot hole, spud with OBC 12-1/4" retip bit at 6:00 A. M., drill til 10:00 A. M. losing water. Shut down to mud up, mix mud til 11:15 A. M., drill til 12:30 P. M. Wait on truck with mud til 3:00 P. M. mix mud til 3:30 P. M. Start drilling, drill til 10:30 P. M. Reach 208' with 12-1/4" bit. Start reaming with 17-1/2" retip Hood Hole Opener Bit No. 2 at 11:00 P. M. Still reaming at 12 midnight.
Used 20 Sacks Gel.
Survey at 77° - 3/4 Degree, at 180° 1/2 Degree.
Bit No. 1 made 208'- 10-1/2 Hours, 0-208' Shale.
- 8-23-59 Drilling with mud and water.
TD 208'
Run Casing Morning Tour, reaming and run casing (Ream 4-1/4 Hours, Circulate 3/4 Hours)
Evening Tour, W. G. C.
Finish reaming hole with 17-1/2" reamer at 4:15 A. M., circulate til 5:00 A. M., trip, rig up, run 6 joints, plus landing joint of 13-3/8", 480', H-40, Sals. Casing that measured 221.18', less landing joint- 191.62', set at 205', K. B., cemented with 210 sacks regular cement plus 25 G. C. Plug down at 9:25 A. M. Cement circulated. W. G. C.
Bit No. 2 (Reamer) made 205'- 5-1/4 Hours- 0-205' Shale.

8-24-59
E. D. 208'

Drilling with Mud.
W. O. C. til 9:00 A. M. lay down 13-3/8" landing joint, start nipping
up to drill with gas and water. Still nipping up at 12 midnight.

8-25-59
208'-360'

Drilling with gas and water.
Morning Tour, 0' - Nipple up and W. O. C.
Evening Tour, 152' - (4 Hours Drilling with Gas) 208' to 360' Shale.
Nipping up to drill with gas and water til 9:00 A. M. Pressure 13-3/8"
ceasing to 1,000' psi, hold pressure 30 minutes, no pressure drop. Rig
up to drill mouse hole. Start drilling mouse hole at 12 noon. Finish
at 1:30 P. M. Rig up to drill with gas, start drilling cement at 4:00
P. M. Wait on water 2-1/2 Hours, 1/4 drilling cement with out gas.
Start drilling with gas and water with 11" OGC-3 Bit No. 3 at 8:00 P. M.
Still drilling at 12 midnight.

8-26-59
360' to 1032'

Drilling with gas and water.
Morning Tour, 631' (10 hours Drilling, 1/4 Hour Circ.) 360' to 991' Sand and
Shale.
Evening Tour, 41' (1 hour Drilling) 991' to 1032' Sand and Shale.
Drill til 5:30 A. M. wait on water 1/2 hour, drill til 6:45 A. M., wait on
water 1/2 hour, drill til 9:15 A. M. wait on water 1 hour, drill til
11:00 A. M., wait on water 1/4 hour, drill til 11:45 A. M., circulate 1/4
hour, trip, back in hole with 11" OGC-10 Bit No. 4 at 2:00 P. M. Drill
til 2:30 P. M., lost circulation, wait on water til (hauling water) 9:00 P. M.
Most of wait on water time was due to slow drain from blowie pit. Drill
til 9:30 P. M. (Still losing Circ.), still waiting on water at 12 midnight.
Survey at 991' - 3/4 Degree.
Bit No. 3 made 706' - 14-1/4 hours, 360' to 991', Sand and Shale.

8-27-59
1032'-1257'

Drilling with Gas and Water.
Morning Tour, 137' (4-1/2 Hours Drilling) 1032' to 1169' Sand and Shale.
Evening Tour, 86' (5 Hours drilling; 1/4 Circ.) 1169' to 1257' Sand & Shale.
Wait on water and gas til 1:00 A. M., drill til 3:15 A. M. Working stuck
drill pipe and wait on water til 5:00 A. M. Drill til 7:15 A. M., wait on
water til 8:00 A. M., wait on gas and trip, 1:15 P. M., back in hole with
11" GSW Bit No. 5 at 1:15 P. M. Drill til 1:30 P. M. Wait on water 1/2
hour, drill til 3:00 P. M., wait on water 1 Hour, drill til 5:30 P. M.
wait on water 1 hour, drill til 9:00 P. M. Wait on water 1/4 hour, circ.
1/4 hour. Survey 1/4 hour, trip, out of hole at 11:00 P. M. work on
Hydraulic 1/2 hours. Start back in hole at 11:30 P. M., used 6 snake
line, Bit No. 4 made 266' - 10-3/4 Hours- 991' to 1257' Sand and Shale.

8-28-59
1257'-1459'

Drilling with gas and water.
Morning Tour, 109' (4-1/2 Hour, Drilling) 1257' to 1366' Sand and Shale.
Evening Tour, 93' (10 Hours Drilling, 1/4 Circ.) 1366' to 1459' Sand & Shale.
Finish trip, back in hole with 11" GSW Bit No. 5 at 12:30 A. M. Drill til
10:00 P. M. with 3-1/2 Hours waiting on water. Circulate 1/4 hour, trip,
back in hole with 11" OGC1 Bit No. 6 at 12:00 A. M. Used 13 snake line,
Bit No. 5 made 202' - 16-1/2 Hours, 1257' to 1459' Sand and Shale.

8-29-59
1459' - 1832'

Drilling with gas and water.
Morning Tour, 283' (7-1/2 Hours drilling) 1459' to 1602' Sand and Shale.
Evening Tour, 152' (8 hours drilling, 3 hours jetting) 1602' to 1832' Shale.
Drill till 4:30 A. M., hole making 80 to 100 bbls. water per hour. Run
around bleed pit broke leaving all water from bleed pit and steel and
pits, wait on water, repairing bleed pit dam with deaier 1-1/4 hour, drill
till 9:15 A. M. Wait on water 1-1/4 hour, drill till 11:30 A. M. wait on water
till 12:00 Noon. Drill from 12:00 Noon till 3:30 P. M. Wait on water 1/2
hour, drill till 9:00 P. M. Shut down, jet water to fill pits, still jetting
water from hole at 12 midnight.

Used 15 Snake line.

Bit No. 6 made 373' - 15-1/2 hours, 1459' to 1832' Sand and Shale.

Note: Deaier building 3 water storage pits at or near location.

8-30-59
1832' - 2132'

Drilling with gas and water.

Morning Tour, 0', jetting wtr. 7 hours, circulate 1/2 hour to fill storage
tanks.

Evening Tour, 300' (11-3/4 Hours drilling) 1832' to 2132' Sand and Shale.
Jetting water from hole till 7:00 A. M. circulate 1/2 hour, trip out, lay
down 8" drill collars, pick up 6" drill collars, work on flow line 1-1/2
hours, back in hole with 7-7/8" GW Bit No. 7 at 12:00 Noon. Drill till
10:45 P. M. Repair rig 1/4 hour, still drilling at 12 midnight.

Note: Reduce hole size 11" to 7-7/8" at 1832', used 25 snake line.

Bit No. 6 made 373' - 15-1/2 Hours, 1459' to 1832' Sand and Shale.

8-31-59
2132' to 2372'
Run Casing.

Drilling with Gas and Water.

Morning Tour, 237' (5-3/4 Hours drilling, 1 hour run) 2132' to 2369'
Sand and Shale.

Evening Tour, 3' (Circulate 1 hour, preparing to run casing) 2369' to 2372'
Drill till 12:15 A. M. trip, back in hole with 7-7/8" MW Bit No. 8 at 3:00
A. M., repair leak in rig water 2 hours, start wash and run at 5:00 A. M.
Run to Bottom, start drilling at 6:00 A. M. drill till 11:30 A. M. Drill
pipe stuck, work pipe loose at 12:30 P. M. Pull 6 stands stop at 1832',
circulate 1 hour, start out of hole at 2:00 P. M. Rig up to run intermediate
casing. Start running 4-5/8" Casing at 4:00 P. M. Run 58 joints 4-5/8",
G. D. Std. 32#, J-55, Snake Casing, overall length- 1847.35', set at 1832',
K. B. cement with 300 sacks regular cement plus 25 Cu. Cl., plug down at
8:25 P. M. W. O. C.

6 Snake Line

Bit No. 7 made 322' - 12 hours, 1832' to 2153' Sand and Shale.

Bit No. 8 made 219' - 5-3/4 Hours, 2153' to 2372' Sand and Shale.

9-1-59
TD-2372'
W. O. C.

Drilling with Gas and Water.

W. O. C. 12:00 A. M. till 12:00 P. M., McCullough Tool Co. run temperature
Survey at 1:00 P. M. Found top cement at 1390' and top plug inside casing
at 1726'. W. O. C. at 12 midnight.

9-2-59
Drig Cement

Drilling with Gas and Water.

Morning Tour, W. O. C. and Nipple Up.

Evening Tour, Drill cement (5 Hours)

W. O. C. till 6:00 A. M., cut off landing joint, start nipping up. Finish
nipping up at 4:30 P. M. Slip drilling line, trip, in hole with 7-7/8"

YSI Bit No. 9 at 6:00 P. M. Pressure casing to 1,000^{psi}. O. K. Start drilling cement at 7:00 P. M. Still drilling cement at 12 midnight. 3 Gallon Afrox, 3 Sacks Lime.

9-3-59
2372-2787[°]

Drilling with Gas and Water.

Morning Tour, 126[°] (2 Hrs. Drilling Cement, 3-3/4 Drilling) 2372[°] - 2498[°]
Evening Tour, 289[°] (1 hour drilling with water, 6-1/2 hours drilling)
2498[°] to 2787[°] Sand and Shale.

Finish drilling cement at 2:00 A. M., drilling formation til 3:00 A. M., wait on water 1/2 hour, drill til 6:15 A. M., wait on gas til 10:00 A. M., trip, install new rubber on rotating head back in hole with 7-7/8ⁱⁿ YSI Bit No. 10 at 1:00 P. M. Drill with water (gas off) til 2:15 P. M. Drill with gas til 3:00 P. M. Repairs 1/4 hour, drill til 7:00 P. M., trip, install new rubber on rotating head, back in hole with 7-7/8ⁱⁿ M&N Bit No. 11 at 10:00 P. M. Still drilling at 12 midnight.

10 Sacks Lime, 14 Gallon Afrox.

Bit No. 9 made 126[°] - 5-3/4 Hours, 2372[°] to 2498[°] Sand and Shale.

Bit No. 10 made 226[°] - 5-1/2 Hours, 2498[°] to 2724[°] Sand and Shale.

9-4-59
2787-3027[°]

Drilling with Gas and Water

Morning Tour, 116[°] (6 hrs. drilling, 1/2 hr. circ.) 2787[°] to 2903[°] Sand & Shale
Evening Tour, 124[°] (7 1/2 hrs. drilling), 2903[°] to 3027[°] Sand and Shale.

Drill til 6:00 A. M., wait on water 1 hour, circulate 1/2 hour, trip, change stripper rubber on rotating head, return line from blowie pit plugged, 1 1/2 hour repairing it. Finish trip, back in hole with 7-7/8ⁱⁿ M&N Bit No. 12 at 2:00 P. M. Drill til 4:00 P. M., change and repair rotating head, 2-1/2 hours, start drilling at 6:30 P. M., still drilling at 12 midnight.

17 Sacks lime, 17 gallons Afrox.

Bit No. 11 made 179[°] - 8 hours, 2724[°] to 2903[°] Sand and Shale.

9-5-59
3027[°] - 3168[°]

Drilling with Gas and Water.

Morning Tour, 86[°] (7 1/2 hours drilling, 1/2 hour circ.) 3027[°]-3113[°] Sand & Shale.
Evening Tour, 55[°] (2 1/2 Drilling, 1/2 Circ.) 3113[°] to 3168[°] Sand and Shale.

Drill til 1:30 A. M., circ. 1/2 hour, trip, put on new cat line, back in hole with 7-7/8ⁱⁿ OW Bit No. 13 at 5:30 A. M. Change Rotating head 1/2 hour.

Start drilling at 6:00 A. M. drill til 12:30 P. M. Change rubber on rotating head 2 hours. Start drilling at 2:30 P. M., drill til 5:30 P. M., wait on water 1-1/4 hours, circulate 1/2 hour, trip, out of hole at 9:00 P. M. Wait on stripper for rotating head. Still waiting at 12 midnight.

12 Gal. Afrox, 12 Sacks Lime.

Bit No. 12 made 147[°] 9 hours, 2903[°] to 3050[°] Sand and Shale.

Bit No. 13 made 118[°] 9-1/2 hours, 3050[°] to 3168[°] Sand and Shale.

9-6-59
3168[°] to 3457[°]

Drilling with gas and water.

Morning Tour, 102[°] (6-1/4 Hours Drilling) 3168[°] to 3270[°] Sand and Shale.
Evening Tour, 187[°] (9 hours drilling) 3270[°] to 3457[°] Sand and Shale.

Wait on rubber for rotating head til 2:00 A. M. Finish trip, back in hole with 7-7/8ⁱⁿ OW Bit No. 14 at 3:15 A. M. Still drill, drill til 7:00 A. M. Repair blow line 2-1/2 hours, start drilling at 10:30 A. M. Drill til 1:30 P. M., trip, back in hole (Run Junk Basket) with 7-7/8ⁱⁿ OW Bit No. 15 at 4:30 P. M. Start drilling, still drilling at 12 midnight.

15 Sacks Lime, 18 Gallons Afrox.

Bit No. 14 made 190[°]- 7-3/4 hours, 3168[°] to 3298[°] Sand and Shale.

9-7-59
3457-3979'

Drilling with Gas and Water.

Morning Tour, 213' (8 hours drilling, 1/2 circ.) 3457'-3670' Sand and Shale.

Evening Tour, 309' (9 1/2 hrs. Drilling) 3670' to 3979' Sand and Shale.

Drill till 1:15 A. M., circulate 1/2 Hour, trip, change rubber on rotating head, back in hole with 7-7/8" CW Bit No. 16 at 5:15 A. M. Drill till 2:45 P. M., trip, back in hole with 7-7/8" CW Bit No. 17 at 5:30 P. M. Start drilling, still drilling at 12 midnight.

18 Sacks Lime, 18 Gallons Afrax.

Bit No. 15 made 163' - 8-3/4 Hours, 3298' to 3481' Sand and Shale.

Bit No. 16 made 265' - 9-1/2 Hours, 3481' to 3726' Sand and Shale.

9-8-59
3979'-4309'

Drilling with Gas and Water.

Morning Tour, 257' (8 1/2 Hr. 1/2 Circ.) 3979' to 4236' Sand and Shale.

Evening Tour, 73' (9 1/2 Hr. 2 Circ.) 4236' to 4309' Sand and Shale.

Drill till 12:45 A. M., make one (tight hole) 1/4 Hour, work drill pipe 1/4 hour, drill 3/4 hour, work pipe 1/4 hour, drill till 3:15 A. M., circulate 1/2 hour, trip, back in hole with 7-7/8" YSI Bit No. 18 at 6:15 A. M. Drill till 3:15 P. M., twisted off, circulate 2 hours, trip out, out at 5:45 P. M. Wait on over shot, brought wrong size sub, waiting on sub at 12 midnight.

12 Sacks Lime, 12 Gallons Afrax.

Bit No. 17 made 356' - 3726' to 4082' Sand and Shale.

Bit No. 18 made 227' - 8-3/4 Hours, 4082' to 4309' Sand and Shale.

9-9-59
4309'-4445'
Fishing

Drilling with Gas and Water.

Morning Tour- 0' (Fishing for 10 drill collars)

Evening Tour, 136' (7-1/4 Hours Drilling, 3/4 Hr. Circ.) 4309' to 4445' Sand and Shale.

Wait on sub for fishing tools till 9:00 A. M., go in hole with over shot, Carter Fishing Tool Co. Start fishing at 4:30 A. M. Could not get over fish, trip, change over shot, back in hole fishing at 8:00 A. M. Caught fish circulate start out with fish at 9:00 A. M. Out at 12 noon, lay down fish, pull drill collars, load out fishing tools, trip in, back in hole with 7-7/8" YSI Bit No. 19 at 3:30 P. M. Circulate and wash to bottom 3/4 hour, wait on water 1/4 hour, start drilling at 5:00 P. M. Still drilling at 12 midnight.

7 Sacks Lime, 7 Gallon Afrax.

9-10-59
4445'-4803'

Drilling with Gas and Water.

Morning Tour, 118' (7-3/4 Drilling, 1/2 Hour) 4445' to 4623' Sand and Shale.

Evening Tour, 160' (8 hrs. drilling) 4623' to 4803' Sand and Shale.

Circulate from 12:00 A. M. to 12:30 A. M., trip, back in hole with 7-7/8" YS Bit No. 20 at 4:15 A. M. Run 90' to bottom 1/2 Hour, start drilling at 4:15 A. M. Drill till 4:45 P. M., trip, pick up 4 drill collars, back in hole with 7-7/8" CW Bit No. 21 at 8:45 P. M. Start drilling, still drilling at 12 Midnight. 16 Sacks Lime, 16 Gallons Afrax.

Bit No. 19 made 199' - 7-1/4 Hours, 4309' to 4446' Sand and Shale.

Bit No. 20 made 273' - 12-1/2 Hours, 4446' to 4721' Sand and Shale.

9-11-59
4803' to 5263'

Drilling with Gas and Water.

Morning Tour, 257' (9-3/4 Hrs. Drilling, 1/2 Hr. Circ.) 4803'-5060' Sand and Shale.

Evening Tour, 203' (9-1/4 Hr. drilling, 1-1/4 Hour) 5060' - 5263' Sand and Shale.

Drill til 9:45 A. M. Circulate 1/2 hour, trip, back in hole with 7-7/8"
GW Bit No. 22 at 1:30 P. M. Run and Wash to bottom 1-1/4 hours, start
drilling at 2:45 P. M., still drilling at 12 midnight.
9 Sacks Lime, 9 Gallons Afren.
Bit No. 21 made 339' - 13 Hours 4721' 5060' Sand and Shale.

9-12-59
5263' to 5398'

Drilling with Gas and Water, also mud up.
Morning Tour, 84' (4 Hrs. Drilling with Gas) 5263' to 5347' Sand and Shale.
Evening Tour, 51' (4-1/2 Hrs. Drilling, 2-1/2 Circ. with mud) 5347' to 5398'
Sand and Shale.
Drill til 4:00 A. M., trip out, start nipple up to drill with mud at 7:00
A. M. Mixing mud while nipping up, finish at 1:00 P. M., trip in, back in
hole with 7-7/8" MW Bit No. 23 at 2:30 P. M. Displace hole with mud, mix
mud from 3:00 P. M. to 5:00 P. M. Start washing and running 100' to bottom
at 5:00 P. M., start drilling at 7:30 P. M.
Still drilling at 12 midnight.
1 Sack Driscoll, 1 Sack Tannum, 30 Sacks Gel, 40 Sacks Baroid A. M.
2 Sacks Driscoll, 2 Sacks Tannum, 60 Sacks Gel, 60 Sacks Baroid P. M.
Mud Wt. 9.3, Vis. 40, W. T. 9.7, Vis. 47.
Bit No. 22 made 287' - 13-1/4 hours, 5060' to 5347' Sand and Shale.

9-13-59
5398'-5532'

Drilling with mud, Wt. 9.7, Vis. 55, W.L. 7, FC 2/32
Morning Tour 69' (7-1/2 Hrs Drilling, 1/2 Run) 5398' to 5497' Sand and Shale.
Evening Tour 65' (5 1/2 Hr. Drig. 2 1/2 Circ.) 5497' to 5532' Sand and Shale.
Drill til 5:15 A. M., trip, repair fill up line, dress drill collars, back
in hole with 7-7/8" YSI Bit No. 24 at 9:30 A. M. Run and wash to bottom
1/2 hour, start drilling at 10:00 A. M. Drill til 5:30 P. M. Circulate
samples til 8:00 P. M., trip, strap drill pipe out, out of hole at 11:00
P. M. Picking up DST Tools. Prepare to DST test zone 5500' to 5532'.
Survey at 5532' - 1-3/4 Degree. 50# Tannum, 25# Cement, 7 Sacks Gel. A. M.
50# Tannum, 25# Cement, 38 Sacks Gel, P. M.
Bit No. 23 made 107' - 9-1/2 Hours. 5347' - 5454' Sand and Shale.
Bit No. 24 made 78' - 7-3/4 Hours, 5454' to 5532' Sand and Shale.

9-14-59
5532'-5602'

Drilling with mud Wt. 9.7, Vis. 50, Ch. 2/32, W. L. 7.
Morning Tour 14' (2 hr. drilling) 5532' to 5546' Sand and Shale.
Evening Tour, 56' (8 Hr. Drilling, 2 Hr. Circ.) 5546' to 5602' Sand and Shale.
Trip in with DST Tools on bottom with DST No. 1 at 1:30 A. M. Test zone
5500' to 5532'. SIP. 30 Min. 2540#, Gas to surface in 8 minutes.
300,000 GPGD end of 1 hour, 130,000 GPGD. IFF - 95#, FFF 110#, IHP. 20050.
FIP 2720#, FSHF- 30 minutes- 23990.
Come out of hole with test tools break down load out, trip in strap DP in
on bottom with 7-7/8" MW Bit No. 25 at 9:15 A. M. Circulate and wash to
bottom 3/4 hour, start drilling at 10:00 A. M. Drill til 6:00 P. M. Circ.
2 hours to condition hole for electric logs. Trip, coming out of hole at
12 midnight. 146 Sacks Baroid, 14 Sacks Gel. A. M.
92 Sacks Baroid, 28 Sacks Gel, 25# Cement, 50# Tannum. P. M.
Bit No. 25 made 70' - 10 hours- 5532' to 5602' Sand and Shale.

9-15-59
5602' T. D.

Drilling with mud. Wt. 10.2, Vis. 60, Ch. 2/32, W.L. 7.
Morning Tour, Logging well.
Evening Tour, condition hole running casing.

Finish trip out at 12:30 A. M., Schlumberger start logging well, finish at 12:00 Noon. Logs run, induction, Micro, Sonic and Gamma Ray, trip in to condition hole for 5-1/2" casing. In hole at 1:30 P. M. circulate and condition mud 1 hour, start out of hole laying down Drill pipe at 2:30 P. M. Out of hole at 7:00 P. M., rig up to run casing, start running 5-1/2" casing at 9:00 P. M. Still running casing at 12 midnight.

9-16-59
Run Casing
TD 5602'

Running 5-1/2" Casing and M. O. G.
Finish running 176 Joints 5-1/2", 15,500', J-55 Sals Casing that measured 5622', set at 5602', cemented with 500 sacks regular cement. Plug down at 7:15 A. M. M. O. G. til McDillough run temperature survey at 7:30 P. M. found top of cement at 3800', tag bottom at 5544'.

9-17-59

M. O. G. til 8:00 A. M. out off 5-1/2" casing set slips tear out BOP, install well head equipment, release rig at 11:00 A. M. Start rigging down.

9-18-59

Rigging down, break out gas line, 15 men 8 hours each.

9-19-59

Rigging down, break out and haul gas line, move rig off location.

9-20-59

Rigging Down,

9-21-59

Rigging Down.

9-22-59

Moving work-over rig in from Red Wash, 12 hours rig time.

9-23-59

Rigging up work-over unit, rig time 12 hours.

9-24-59

Finish rigging up Work-Over Rig, laying lines, start picking up 2-1/2" tubing at 9:00 P. M. Going in hole open ended to displace mud.

9-25-59

12 Midnight to 9:00 A. M. finish pickup of 2-1/2" tubing, circulate mud out, lay 2" line. Laying 2-1/2" line, mixed 200 sacks salt 12:00 noon to 4:00 P. M. Displace hole with Salt Water 5:00 P. M. to 9:00 P. M. Come out of hole with 2-1/2" tubing 9:00 P. M. to 12:00 A. M. Hippling up Hydraulic B. O. P.

9-26-59

Finish hooking up B. O. P. hook B. O. P. to accumulator, rig up and heavy running circulation logs and perforating with Turpedo Jets. 2 holes per foot, zones 5310' to 5326' and 5308' to 5314', and 5298' to 5266'. Finish 4:00 P. M. Start in hole with 2-1/2" tubing open ended at 4:15 P. M. on bottom at 6:30 P. M. Dowell, Inc. spotted 250 gallons mud acid across perforations, pulled 12 stands tubing back to 4850', install De-Mat and completion valves. Dowell gradually pressure tubing to 4200' psi, formation broke back to 1500' psi 4 minutes, later 800' psi. Reverse salt water from hole with Diesel oil, shut down til Dowell gets trucks out to frus wall.

9-27-59

12 midnight to 11:00 A. M. Hooking up tanks laying lines, preparing to mud frus. Dowell, Inc. arrive on location at 7:10 A. M. Wait on one Allium broke down enroute. Allium arrive at 10:00 A. M. hook up and test lines to 4200', Pressure formation to 3400' psi at 27 Barrels per minute.

with 4 Alliums, start sand at 1-1/2¢ per gallon with Diesel oil, increase sand to 2¢ per gallon. All sand in, flush with salt water.
Max. Treating Pressure- 3600¢ at 27 bbis. per minute.
Min. Treating Pressure- 3500¢ at 28 bbis. per minute.

Immediate Shut In Pressure 1400¢

5 Min. Shut In Pressure 1300¢

15 Min. Shut In Pressure 1200¢

Treatment complete at 11:37 A. M. Used 130 bbls. Diesel O¹ with 1-1/2 lbs. Sand per gallon, used 250 bbls. Diesel oil with 2¢ sand per gallon. Using 28,000 # 20/40 sand, 1,500 # admix and 132 bbls. salt water for flush. Total fluid- 528 bbls. and sand volume. Average 1.8¢ sand per gallon. Leave well shut in until next morning.

9-28-59

Open well at 6:00 A. M. T. P. 150¢, C. P. 150¢.

Flowing back salt water, flush at approximately 30 bbis. per hour. Diesel oil began showing, flow increasing in volume, some gas showing. Flowed 160 bbls fluid in 2-1/2 hours. Gas and Diesel oil increasing, making sand cutting out connections by 1:00 P. M. Had to turn to bleed line. Shut in today at 5:00 P. M. Gauged 5-1/2 IN CPD with medium spray Diesel oil and Sand. at 5:30 P. M. T. P. 1700¢, C. P. 1750¢. Ran B. P. Valve and install knee tree. Release Work-over rig at 12 midnight.

9-30-59

Continued testing well, still making 5-1/2 IN CPD with light spray diesel oil, sand decreased to very minimum. Shut in. Potential 5,500,000 CPD.

10-1-59

Shut in. T. P. 2125¢, C. P. 2125¢.
Final Report.

SEP 3 1959

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" | HTC | OSC | 208 | 208 | 208 | 10-1/4 |
| 2 | 17-1/2" | REED | REAMER | 205 | 205 | 205 | 5-1/4 |
| 3 | 11" | HTC | OSC-3 | 205 | 991 | 786 | 14-1/4 |
| 4 | 11" | HTC | OSC-1G | 991 | 1257 | 266 | 10-3/4 |
| 5 | 11" | HTC | OWSV | 1257 | 1459 | 202 | 18-1/2 |
| 6 | 11" | HTC | OSC | 1459 | 1832 | 373 | 15-1/2 |
| 7 | 7-7/8" | HTC | OWV | 1832 | 2153 | 321 | 12 |
| 8 | 7-7/8" | SEC | M4N | 2153 | 2372 | 219 | 5-3/4 |
| 9 | 7-7/8" | REED | YS1 | 2372 | 2498 | 126 | 5-3/4 |
| 10 | 7-7/8" | REED | YS1 | 2498 | 2724 | 226 | 5-1/2 |
| 11 | 7-7/8" | SEC | M4N | 2724 | 2903 | 179 | 8 |
| 12 | 7-7/8" | SEC | M4N | 2903 | 3050 | 147 | 9 |
| 13 | 7-7/8" | HTC | OWV | 3050 | 3168 | 118 | 9-1/2 |
| 14 | 7-7/8" | HTC | OWV | 3168 | 3298 | 130 | 7-3/4 |
| 15 | 7-7/8" | HTC | OW | 3298 | 3481 | 183 | 8-3/4 |
| 16 | 7-7/8" | HTC | OW | 3481 | 3726 | 245 | 9-1/2 |
| 17 | 7-7/8" | HTC | OWV | 3726 | 4082 | 356 | 9 |
| 18 | 7-7/8" | REED | YS1 | 4082 | 4309 | 227 | 8-3/4 |
| 19 | 7-7/8" | REED | YS1 | 4309 | 4448 | 139q | 7-1/4 |
| 20 | 7-7/8" | REED | YS | 4448 | 4721 | 273 | 12-1/2 |
| 21 | 7-7/8" | HTC | OWV | 4721 | 5060 | 339 | 13 |
| 22 | 7-7/8" | HTC | OWV | 5060 | 5347 | 287 | 13-1/4 |
| 23 | 7-7/8" | SEC | M4N | 5347 | 5454 | 107 | 9-3/4 |
| 24 | 7-7/8" | REED | YS1 | 5454 | 5532 | 78 | 7-3/4 |
| 25 | 7-7/8" | SEC | M4N | 5532 | 5602 | 70 | 10 |

DEKALB NO. 1 UINTAH UNIT

- 200-10 Siltstone, sandstone, very light green, very light gray-green fine to medium grained, micaceous, argillaceous friable, with interbedded shale, green, light gray, gray, slightly calcareous firm, blocky, silty trace porcellanite white, crypto to gln slightly micaceous, very slightly calcareous.
- 210-20 Siltstone, sandstone as above with trace green, gray, trace red-brown shale.
- 220-30 Siltstone, sandstone as above with trace green, gray, trace red-brown shale.
- 230-40 Shale brite rusty-red, red-brown, with trace brown-green, green slightly calcareous very silty.
- 240-50 Shale as above with increase in brite green, trace sandstone, white, slightly salt and pepper, very fine to fine grained, with slightly varicolored quartz and chert grains, slightly micro-micaceous, very calcareous firm tite.
- 250-60 Sandstone, sand, very light green-white, very light gray, very light green, very fine to medium coarse grained, angular to well rounded clear frosted, very light varicolored quartz grain with trace black to gray chert grains, slightly micro-micaceous, calcareous trace very light green, interstitial clay inclusions very slightly argillaceous, firm to very friable trace poor to fair porosity.
- 260-70 Sand sandstone as above.
- 270-80 Sand sandstone as above.
- 280-90 Sand sandstone as above.
- 290-300 Shale siltstone, light red-purple, purple-gray, red-brown, brite green, gray-green, firm, blocky with interbedded, sandstone white, light green-white, very fine to medium grained, firm limy to slightly argillaceous.
- 300-10 Shale, siltstone, and sandstone as above.
- 310-20 Shale, light purple-red, light gray-purple, with trace green, gray-green, firm, blocky silty with trace interbedded, sand sandstone, white, very light green-white, very fine to fine grained, firm, limy, slightly micaceous.
- 320-30 Shale as above with trace siltstone and sandstone as above.
- 330-40 Sandstone, white, very light green-white, very fine to medium grained, angular to well rounded, clear frosted, with scattered trace very light varicolored quartz grains, very scattered trace gray to black chert grains, slightly micaceous, trace green, interstitial clay inclusions, limy, very firm to friable with trace interbedded, green, red-purple shale.
- 340-50 Siltstone, sandstone white, very light green-white, very fine to medium grained, as above with weak trace green, red-brown shale.
- 350-60 Siltstone, sandstone as above becoming predominate very fine grained, limy firm, tite.
- 360-70 Siltstone, sandstone as above becoming predominate very fine grained, limy firm, tite with considerable shale, red-brown, red-brown, brite green, green-gray, firm, blocky with silty streaks.

DEKALB NO. 1 UINTAH UNIT

- 370-80 Shale siltstone, very light green, brite-green, calcareous argillaceous slightly micaceous.
- 380-90 Shale as above with siltstone and very fine grained sandstone as above.
- 390-400 Shale, red-brown, red-purple, purple-gray, with trace brite green, firm, blocky, very slightly calcareous with scattered very silty inclusions trace sandstone, white, very fine to fine grained, limy, firm, tite.
- 400-10 Sandstone, white, very light green-white, very fine to medium grained, angular to rounded, clear, frosted and very light varicolored quartz grains tracegray chert grains, slightly micaceous, calcareous slightly kaolinitic with interbedded brite green shale.
- 410-20 Siltstone, sandstone as above with trace green, green-brown very light gray-tan shale.
- 420-30 Siltstone, sandstone as above becoming predominate medium grained, trace green, brite green shale trace black very carbonaceous shale.
- 430-40 Limestone, very light tan, very light buff-tan, micro-xln, firm tite with trace pyrite, trace very light green shale siltstone and sandstone.
- 440-50 Interbedded limestone, shale and siltstone as above.
- 450-60 Shale siltstone, very light green, gray-green, dark green, firm, blocky sub-waxy lustre with silty streaks, trace sandstone, very light green-gray, very fine to fine grained, argillaceous calcareous slightly micaceous.
- 460-70 Shale, siltstone, as above with weak trace sandstone.
- 470-80 Shale siltstone as above with good trace sand, white, very light gray, very light green, very fine to fine grained, limy to argillaceous.
- 480-90 Siltstone, sandstone very light green-white, very fine to medium grained, slightly micaceous, slightly argillaceous with trace green, gray-green, sub-waxy shale firm, blocky.
- 490-500 Sandstone, as above with trace buff, buff-green, micro-xln, slightly silty and limestone, trace shale as above.
- 500-10 Siltstone, sand, sandstone as above with fair traceshale as above.
- 510-20 Siltstone, sand, sandstone as above with fair trace shale as above trace pyrte, Siltstone as above sandstone with fair trace very light tan, den limestone, trace pyrite.
- 520-30 Siltstone, sandstone as above with fair trace shale as above trace very light tan, den limestone trace pyrite.
- 530-40 Siltstone, sandstone as above with fair trace shale as above trace very light tan, den limestone trace pyrite.
- 540-50 Silstone as above with very good trace shale, very light to gray-green, firm, blocky silty.
- 550-60 Siltstone, sandstone as above with very good trace shale very light to gray-green, dark green, firm, blocky with silty streaks.

DEKALB NO. 1 UTE TRAIL UNIT

- 560-70 Interbedded siltstone, sandstone and shale as above.
- 570-80 Interbedded siltstone, sandstone and shale as above with increase in very fine grained sandstone.
- 580-90 Siltstone, sandstone interbedded and shale as above with increase in very fine grained sandstone.
- 590-600 Interbedded siltstone, sandstone and shale as above with trace brown to black carbonaceous shale.
- 600-10 Interbedded siltstone, sandstone and shale as above with brown to black carbonaceous shale and trace limy streaks.
- 610-20 Sandstone, very light gray, very light green-white, fine to medium grained, angular to sub-rounded, clear, frosted with occasional very light varicolored quartz grains, with very scattered gray to black chert grains, slightly micro-micaceous slightly argillaceous calcareous firm, tite, to friable with very poor to poor porosity with interbedded siltstone shale very light green, very light gray, firm, blocky slightly calcareous, trace brown to black carbonaceous inclusions.
- 620-30 Sand, sandstone as above with interbedded, shale and siltstone.
- 630-40 Sand, sandstone as above with interbedded shale and siltstone trace very light green-tan, very light gray-tan, waxy slightly calcareous very weak trace coal and gilsonite.
- 640-50 Sand, sandstone siltstone, and shale as above.
- 650-660 Siltstone, sandstone as above with interbedded shale, trace carbonaceous flecks.
- 660-70 Siltstone, sandstone as above with interbedded shale trace gilsonite lined frac planes, very scattered weak trace brown oil stain.
- 670-80 siltstone sandstone as above with interbedded shale.
- 680-90 Siltstone, sandstone as above with trace red-brown heavy oil trace interbedded shale.
- 690-700 Siltstone, sandstone as above with trace red-brown heavy oil trace interbedded shale trace interbedded limestone, light red-tan, green-tan, micro-xln, firm tite.
- 700-10 Siltstone, sandstone as above with fair trace very light red-tan, very light tan, soft, lumpy to blocky, very calcareous shale weak trace green, gray-green shale.
- 710-20 Siltstone, sandstone and shale as above with trace limy, very light tan, very light green-tan shale.
- 720-30 Siltstone, sandstone and shale as above with trace limy, very light tan, very light green-tan, shale.
- 730-40 Siltstone, sandstone as above.
- 740-50 Siltstone, sandstone with interbedded shale as above.
- 750-60 Siltstone, sandstone as above with weak trace shale as above.

DEKALB NO. 1 UNIFAH UNIT

- 760-70 Interbedded, siltstone sandstone, very light gray very light green-gray, fine to medium grained, slightly micaceous, argillaceous slightly calcareous and shale light gray, light gray-green, very light green, firm, blocky, slightly calcareous.
- 770-80 Interbedded, siltstone, sandstone as above with copious amount very light gray, very light green-gray, dark gray, firm blocky trace limestone, buff-tan, micro-xln, slightly micro micaceous argillaceous trace pyrite.
- 780-90 Interbedded siltstone, sandstone and shale as above with trace limestone, red-tan, buff-tan, den tite with silty streaks, yellow-tan fluorescence no cut with CCl_4 .
- 790-800 Siltstone, sandstone as above with interbedded shale gray, dark green-gray, slightly tan-green, sub-waxy, slightly calcareous, firm, with scattered carbonaceous plant fragment trace yellow-orange oil stain.
- 800-10 Siltstone, sandstone, as above with scattered interstitial gilsonite flecks, trace limestone tan gray-tan, argillaceous to silty trace shale gray-green, tan, gray firm blocky with silty streaks
- 810-20 Siltstone, sandstone shale as above trace argillaceous firm, tan limestone.
- 820-30 Interbedded siltstone, sandstone, white very light gray, very light green-gray, fine to medium grained, to coarse grained, angular to sub-rounded, clear, frosted with trace light varicolored quartz grains with trace gray to black chert, slightly micaceous, slightly calcareous kaolinitic firm to friable, with scattered poor to fair porosity trace gilsonite inclusions, trace shale light to medium gray, green, firm, blocky.
- 830-40 Sandstone and shale as above with trace limestone very light to buff-tan, crypto xln, firm, tite slightly micaceous slightly argillaceous.
- 840-50 Sandstone as above.
- 850-60 Siltstone, sand, shale lightly gray, firm, blocky calcareous trace limestone, light to dark tan, crypto xln, slightly argillaceous, firm tite.
- 860-70 Siltstone, sandstone, very light gray, very light green-white very fine to medium grained, angular to sub-angular, clear frosted, with very light varicolored quartz grains, with trace light gray chert grains, slightly micaceous calcareous to limy, trace argillaceous streaks kaolinitic with very scattered carbonaceous shale streaks trace very poor to poor porosity trace gilsonite, trace tan, den, limestone, trace tan, green-tan, gray, firm shale trace carbonaceous flecks.
- 870-80 Limestone, very light buff, very light tan, gray-tan, gray, crypto to micro-xln, slightly argillaceous den tite with scattered silty and sandy streaks, very scattered trace light brown oil stain trace sandstone as above.
- 880-90 Siltstone, very light gray, white, slightly micro-micaceous, calcareous slightly argillaceous tite firm trace brown carbonaceous flecks.

DEKALB NO. 1 UINTAH UNIT

- 890-900 Siltstone, sandstone very light gray, very light buff, white, very fine to fine grained calcareous slightly micaceous, argillaceous with carbonaceous flecks.
- 900-10 Siltstone, sandstone as above.
- 910-20 Siltstone, sandstone as above with trace shale light gray, very light tan-gray, firm, blocky, micaceous trace brown to black carbonaceous flecks.
- 920-30 Siltstone, sandstone as above with traceshale light tan, tan gray-tan, firm, blocky, calcareous to limy very scattered mica flakes trace gilsonite.
- 930-40 Sandstone, white, very light gray, very fine to medium grained, slightly cearse, angular to sub-rounded, clear, frosted, quartz grains with trace gray to black chert, micaceous carbonaceous plant fragment, kaolinitic very slightly calcareous to limy firm, to friable with scattered poor to fair porosity filled with very dark brown tarry oil and gilsonite trace shale very light tan, very light buff-tan, very light gray, sub-waxy, blocky, limy, trace siltstone, very light gray.
- 940-50 Siltstone, sandstone as above with scattered very spotty black to brown very tarry oil flecks trace gray-tan, very light green-tan, shale.
- 950-60 Siltstone, sandstone as above with brown carbonaceous inclusions trace light tan, very light gray, white siltstone, calcareous slightly micaceous with limy streaks trace gilsonite.
- 960-70 Siltstone, sandstone as above with trace gray-green, very light green-tan, gray-brown firm blocky, calcareous with silty streaks.
- 970-80 Shale, light to dark gray, green-gray, gray-tan, tan, firm, sub-fissile, sub-waxy calcareous, trace light cream-tan, slightly argillaceous limestone, trace siltstone, sandstone.
- 980-90 Shale as above with increse in gray-tan, tan shale, fair trace cream-tan, crypto to micro xln den limestone, trace white, vein filling calcareous.
- 990-1000 Siltstone, white, light gray, green-gray, gray-tan, argillaceous very calcareous trace very light gray, very fine grained, sandstone trace tan, cream-tan den limestone.
- 1000-10 Siltstone, sandstone white, very light gray, very fine grained calcareous to limy with interbedded light gray, gray, gray-tan shale weak trace light brown oil stain.
- 1010-30 No Samples - Lost Circulation.
- 1030-40 Shale light to medium gray, very light gray-tan, tan, sub-waxy lustre, calcareous to dolomitic firm blocky with scattered silty and sandy streaks trace limestone tan, very light gray den tite.
- 1040-50 Shale, tan, very light gray-tan, very light green-tan, trace gray, sub-waxy firm, dolomite with trace brown carbonaceous inclusions trace sandstone gray, fine grained, calcareous to limy slightly micaceous with black and brown carbonaceous flecks very firm tite.
- 1050-60 Shale as above a with increase in sandstone.
- 1060-70 Shale as above with trace interbedded silt and sandstone.

DEKALB NO. 1 UINTAH UNIT

- 1070-80 Shale tan, light tan, gray-tan, dolomite sub-waxy lustre, very firm, blocky with trace green-tan, fine grained, calcareous sandstone, and siltstone inclusions, scattered dull yellow-brown fluorescence.
- 1080-90 Shale as above with fair trace limestone, buff-white, buff-tan, very light tan, micro-xln den tite with scattered silty streaks.
- 1090-1100 Shale gray-green, green-tan, with trace tan, sub-waxy lustre, dolomite to calcareous firm blocky trace limestone as above.
- 1100-10 Shale as above with trace limestone and siltstone inclusions.
- 1110-20 Shale as above with weak trace limestone, trace calcite
- 1120-30 Shale as above with predominate of gray-tan, calcareous firm, blocky shale.
- 1130-40 Shale light to medium tan, gray-tan, waxy lustre, very calcareous to dolomite, very firm, brittle.
- 1140-50 Shale, siltstone light to medium grain, slightly micro-micaceous, slightly calcareous, firm, tite, with trace shale as above.
- 1150-60 Sand sandstone, light gray, gray-tan, fine to medium grained, angular to sub-rounded, clear frosted, white quartz weak trace light gray to black chert grains, micaceous, slightly kaolinitic very slightly calcareous firm, tite with very scattered very poor porosity, very scattered light brown oil stain.
- 1160-70 Sand, sandstone as above with trace shale, light gray-tan, micro-micaceous, very slightly calcareous, slightly silty trace gilsonite, weak trace calcareous, nohculite?
- 1170-80 Siltstone, sandstone as above with fair trace shale as above very scattered brown oil stain.
- 1180-90 Siltstone, sandstone and shale as above with trace brown to tan, micro-xln, slightly argillaceous slightly micro-micaceous dolomite, weak trace tan to brown dolomite shale, very scattered trace brown oil stain.
- 1190-1200 Shale, siltstone, very light gray, calcareous slightly micro-micaceous, with scattered brown carbonaceous streaks trace waffer thin gilsonite streaks, very scattered very light brown oil stain.
- 1200-10 Siltstone, sandstone and shale as above.
- 1210-20 Siltstone, shale as above.
- 1220-30 Siltstone, shale, very light gray, gray, slightly micro-micaceous calcareous, with brown oil stain along frac planes.
- 1230-40 Shlae, siltstone as above becoming gray-white, sub-waxy firm, slightly calcareous with brown carbonaceous flecks and brown oil stain along hair line frac.
- 1240-50 Shale and siltstone as above with trace interbedded, very light tan, tan, cream-tan, brown dolomitic shale very scattered brown oil stain.
- 1250-60 Shale, gray-brown, brown dark brown, firm, with sub-waxy lustre dolomite, very scattered oil stain.

- 1260-70 Shale coffee-brown, light to dark brown, gray-brown, limy, blocky, brittle, with fair trace limestone, brown, micro-xln slightly micro-micaceous, argillaceous den tite no fluorescence scattered weak cut with CCl₄.
- 1270-80 Shale and limestone as above, cut with CCl₄.
- 1280-90 Shale and limestone as above cut with CCl₄.
- 1290-1300 Shale and limestone as above, cut with CCl₄.
- 1300-10 Shale and limestone as above, cut with CCl₄.
- 1310-20 Shale light to dark brown, tan, dolomite to very calcareous, firm brittle with considerable limestone, brown crypto xln, argillaceous den tite very scattered cut with CCl₄, musty odor.

- 2440-50 Limestone, cream-tan, very light tan, micro-xln, micro-sucrossive earthy trace micro to medium fragment limestone with sub-chalky streaks, trace calcareous vein filling material.
- 2450-60 Limestone as above with trace very light buff-tan, limestone, trace shale, green, gray-green, very light olive green sub-waxy, slightly calcareous very slightly micro-micaceous.
- 2460-70 Shale, light green-gray, slightly micaceous, calcareous, with fair trace sandstone, white, very light gray very fine to fine grained, calcareous slightly micaceous.
- 2470-90 Sandstone, very light gray, very light green-gray, very fine to fine grained, very slightly micaceous calcareous with very white trace light gray-green shale very weak trace cream-tan limestone.
- 2490-2520 Missing.
- 2520-40 Shale, light green-gray, light gray-green, gray, olive gray, calcareous, slightly micaceous with silty and very sandy inclusions trace limestone cream-tan, gray-tan, micro-xln, sub-chalky.
- 2540-50 Limestone, cream-tan, light tan, light brown, crypto to micro-xln, trace micro-suucrossive earthy to sub-chalky with fair trace shale gray-brown, very dark brown, waxy dolomitic, firm, fissle shale.
- 2550-60 Limestone as above with trace shale green, gray-green, olive gray, gray-tan, calcareous sub-waxy.
- 2560-70 Limestone as above with good trace shale green, gray-green, olive-gray, gray-tan, calcareous, sub-waxy.
- 2570-2600 Limestone as above with fair trace gray-brown, dark-brown, waxy, dolomitic.
- 2600-10 Sandstone, white very light gray, very light tan, very fine to fine grained, calcareous slightly micro-micaceous, with trace interbedded very light cream-tan, very light tan, crypto to micro-xln, firm, tite.
- 2610-30 Limestone, cream-tan, cream-tan, crypto to micro-xln, with interbedded gray-green, gray-tan sub-waxy, slightly calcareous slightly micaceous with scattered slity streaks.
- 2630-60 Limestone cream-tan, cream, light tan to tan, very light gray-tan, micro-xln, with trace light gray-green, very light gray-tan, calcareous shale, scattered trace oolites ostracoda.
- 2660-70 Siltstone, sandstone, very light green-gray, light gray, very fine to fine grained, calcareous slightly micaceous, argillaceous with trace limestone as above.
- 2670-80 Shale, gray-green, olive gray, calcareous firm, sub-blocky, with very silty and very sandy streaks, slightly micro-micaceous with limy streaks.
- 2680-90 Limestone, cream-tan, cream-buff, light tan, micro to crypto xln, with interbedded shale as above.

- 2690-2700 Sandstone, very light green-gray, very light gray, very fine to fine grained, calcareous, micro-micaceous, with interbedded limestone, very light buff-tan, very light cream-tan, den, tite. Trace gray-green, calcareous shale.
- 2700-30 Missing.
- 2730-40 Limestone cream, cream-white, light cream-tan, crypto to micro xln, slightly chalky with trace very light gray shale.
- 2740-2800 Sandstone, white, very light gray, very light green-white, very fine to fine grained, slightly calcareous, slightly micaceous with weak trace interbedded light gray, light gray-green, calcareous, shale.
- 2800-50 Siltstone, sandstone, very light gray, very light gray-white, very fine to fine grained, calcareous slightly micro micaceous with interbedded thin streaks of tan micro-oolites and ostracoda weak trace shale.
- 2850-60 Siltstone, sandstone, very light gray, very light green-gray very fine to fine grained, calcareous slightly micro-micaceous with argillaceous with trace gray-green, olive gray, calcareous shale, trace cream-tan, limestone.
- 2860-2900 Siltstone, sandstone as above with fair trace cream-tan, very light tan, den limestone, slightly micro-oolitic trace gray-green shale.
- 2900-10 Siltstone, sandstone white very light gray, very light gray-green, very fine to fine grained, calcareous slightly micaceous with interbedded, gray to black micro to medium oolitic and gray-fragment limestone, trace ostracoda.
- 2910-50 Siltstone, sandstone as above with scattered trace tan, gray tan, limestone.
- 2950-90 Siltstone, sandstone as above scattered trace tan, gray tan, limestone, scattered gray-green shale.
- 2990-3000 Sandstone white, very fine to fine grained, calcareous to limy slightly micro-oolitic, slightly micro-micaceous.
- 3000-10 Sandstone as above calcareous to limy.
- 3010-50 Sandstone, very fine to fine grained, calcareous to limy, firm to very friable, micro-micaceous, slightly trace micro-oolites with scattered weak trace very light brown oil stain.
- 3050-60 Shale, light gray, very light gray-green, very light olive-gray, very calcareous to limy, slightly silty with trace interbedded green-tan, cream-tan, very slightly micro-oolitic and micro-xln limestone argillaceous.
- 3060-70 Limestone, cream-tan, very light gray-tan, micro-xln, very slightly micro-oolitic, slightly micro-micaceous very slity, with trace light green-gray, argillaceous inclusions.
- 3070-80 Siltstone, light green-cream, cream tan, very calcareous to limy, micaceous, with scattered argillaceous streaks with trace siltstone, limestone as above.

3080-90 Siltstone and limestone as above.
3090-3100 Siltstone very light gray-green, calcareous to limy, slightly micro-micaceous, with argillaceous streaks.
3100-10 Siltstone, as above with trace limestone, light tan, tan, light brown, crypto to micro-xln and fragment den tite.
3110-60 Missing.
3160-70 Sandstone, white, very fine to fine grained, calcareous slightly micro-oolitic, and ostracoda, slightly micro-micaceous, trace cream-tan, tan, limy inclusions, weak trace brown oil stain.
3170-80 Sandstone, white, very light gray, fine grained, calcareous, slightly micro-oolitic, micro-ostracodal, with interbedded shale, green-gray, firm, block limy, trace cream-tan, micro-xln limestone.
3180-3270 Missing.
3270-90 Sandstone, white, cream-white, very fine to fine grained, micro oolitic and ostracodal inclusions, trace cream-tan den limestone inclusions, trace light gray-green, calcareous shale.
3290-3300 Missing.
3300-10 Sandstone, white, very light tan, very fine to fine grained, calcareous slightly micaceous, firm to friable, well sorted, clean with trace pyrite, scattered poor to fair porosity with scattered good light tan oil stain.
3310-40 Sandstone as above with very slight tan oil stain, weak trace green-gray calcareous shale.
3340-50 Siltstone, sandstone, white, very fine grained, calcareous to limy, slightly micro-micaceous, firm, tite with trace gray, green-gray sub-waxy slightly calcareous to limy shale.
3350-60 Interbedded siltstone, and sandstone as above with increase in shale as above.
3360-80 Shale light gray-tan, tan, light gray-brown, calcareous to limy, with scattered silty and sandy streaks trace limestone tan to light brown, den, argillaceous.
3380-3400 Shale, light gray-tan, tan, light gray, light gray-green, firm, blocky calcareous to limy, slightly micro-micaceous trace limestone tan to very light brown den, argillaceous, trace micro-xln, limestone.
3400-10 Sandstone white, very light gray-tan, very fine to fine grained micro-oolitic, with trace dwarfed ostracoda micro-micaceous, trace interbedded shale as above.
3410-20 Sandstone white, very light cream-white, very fine to fine grained, slightly micro-micaceous, slightly micro-oolitic and ostracodal calcareous firm to friable with trace interbedded, light gray-green, light gray, sub-waxy, slightly calcarous
3420-30 Sandstone as above with increase green-gray, sub-waxy, very calcareous shale.

- 3430-40 Sandstone as above with very good trace green-gray, sub-waxy, very calcareous shale.
- 3440-50 Sandstone, white, light cream-white, very fine to fine grained, angular to sub-rounded, clear frosted, with trace very light pink and orange quartz grains, slightly micaceous, very slightly scattered trace micro-oolitic, with trace micro-ostracoda calcareous to limy firm to friable, scattered trace green-gray shale.
- 3450-60 Sandstone as above slightly micro-oolitic scatter trace green-gray shale.
- 3460-70 Siltstone and sandstone as above with fair trace green-gray, gray-green, calcareous, shale.
- 3470-80 Silt and sandstone as above with fair trace green-gray, gray-green, calcareous shale.
- 3490-3500 Siltstone, sandstone, white, very light gray, very fine grained calcareous micaceous, with scattered light green-gray, argillaceous inclusions.
- 3500-10 Siltstone, sandstone as above with fair trace light green-gray gray-green, green-tan, calcareous shale trace fish scale fragment.
- 3510-20 Siltstone, sandstone as above and interbedded light green, gray-green shale.
- 3520-30 Shale, light gray-green, green-gray, olive-gray, sub-waxy calcareous, with trace siltstone and sandstone as above.
- 3530-40 Shale as above with moderate trace siltstone and sandstone.
- 3540-50 Shale, light gray-green, green-gray, gray-tan, gray-brown, waxy, to sub-waxy, very scattered micro-micaceous, calcareous, with scattered silty streaks.
- 3550-60 Shale as above.
- 3560-70 Shale as above with trace silty streaks.
- 3570-80 Shale as above with trace limestone cream-tan, very light tan, micro-xln, den tite to sub-chalky.
- 3580-90 Shale as above with trace limestone cream-tan, very light tan, micro-xln, den tite slightly oolitic.
- 3590-3600 Siltstone, sandstone, white, very light gray, very fine grained very calcareous, with trace shale and limestone as above.
- 3600-10 Siltstone, sandstone as above slightly argillaceous trace shale as above.
- 3610-40 Siltstone, sandstone as above slightly argillaceous shale as above, weak micro-oolites and ostracoda.
- 3640-50 Shale light gray-tan, tan, light gray, sub-waxy, calcareous, sub-fissile, with trace siltstone as above trace cream-tan, light tan, den limestone.
- 3650-80 Shale, as above with scattered trace cream-tan, light tan, den limestone.

- 3680-90 Shale, tan, light gray-tan, olive-tan, light gray-brown, sub-waxy, calcareous, with fair trace limestone, cream-tan, tan, gray-tan, micro-xln, den tite with very scattered trace ostracoda trace argillaceous inclusions.
- 3690-3700 Shale as above with limestone, cream-tan, cream-white, micro xln, ostracodal, slightly oolitic with occasional very scattered trace brown oil stain.
- 3700-30 Siltstone, sandstone, white, very fine grained, calcareous, micaceous, slightly micro-oolitic, very weak trace light tan, oil stain, trace shale , gray-green, sub-wxay, calcareous firm, block, with trace cream-tan, micro-xln, slightly micro oolitic.
- 3730-50 Missing.
- 3750-60 Integbedded sandstone, white, very fine grained, calcareous micro-micaceous, and light gray-green, calcareous shale.
- 3760-90 Shale light gray-green, light gray, firm, sub-fissle to sub-blocky, calcareous slightly micro-micaceous, with very silty and very sandy inclusions, trace limestone, light tan, cream-tan, micro-xln, slightly oolitic and ostracodal.
- 3790-3800 Shale, gray-tan, olive-tan, firm, sub-fissle, calcareous scattered trace micro-mica, trace limestone cream-tan, micro-xln, sub-chalky.
- 3800-10 Siltstone, sandstone, very light green-white, very light gray, very fine grained, slightly argillaceous calcareous, with trace shale as above.
- 3810-20 Shale, light gray-tan, gray, tan, medium-gray, sub-waxy, calcareous, very scattered oil stain.
- 3820-30 Shale light brown, tan, gray-tan, waxy, calcareous to dolomitic sub-fissle to fissle fair tan to brown oil stain, slightly petro odor, trace fish fragment.
- 3830-40 Shale as above with trace cream-tan limestone fair trace gray dark gray-tan shale.
- 3840-90 Shale as above with trace fish scale fragment, trace oil stain.
- 3880-3900 Shale as above with moderate trace chart amber, amber-tan.
- 3900-10 Shale light brown, tan, gray-tan, gray-brown, gray, waxy to sub-waxy, dolomitic to calcareous with oil stain, trace siltstone, sandstone, white, very fine grained, calcareous, slightly micaceous trace amber, light gray semi translucent chart.
- 3910-20 Shale as above with fair trace siltstone, sandstone, white, very light gray, very fine grained, calcareous, trace cream-tan limestone micro-xln, slightly ostracodal and oolitic.
- 3920-40 Shale light gray, light gray-green, with trace tan to gray-tan, firm, blocky, slightly calcareous, with scattered silty streaks, brown to tan shale dolomitic waxy.

- 4100-10 Sandstone, white very fine to fine grained slightly micro-micaceous, calcareous, kaolinitic, scattered trace green, interstitial clay flecks, firm to friable with trace shale as above.
- 4110-20 Interbedded sandstone as above and shale, gray-green, green, red and purple green.
- 4120-30 Interbedded sandstone and shale as above with predominance of shale.
- 4130-40 Siltstone, sandstone, very light gray, white, very fine to fine grained micro-micaceous, with scattered very light tan, limy streaks, scattered trace tan micro-oolites, trace shale as above.
- 4140-50 Siltstone, sandstone as above with interbedded, green, gray-green, red-green, purple-red, shale trace oolitic and ostracodal limestone.
- 4150-60 Siltstone, sandstone as above with trace oolitic, and ostracodal limestone inclusions, trace shale.
- 4160-70 Sand, sandstone, white, very light gray, 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, trace black and light green accessory mineral, micro micaceous firm to friable with trace tan limestone inclusions slightly oolitic and ostracodal, weak trace green, red and brown, red-purple shale.
- 4170-80 Sand sandstone as above with fair trace shale, gray-green, green, red-green, red-brown, yellow-green, buff, sub-waxy, firm, blocky.
- 4180-90 Shale as above with trace silty and sandy inclusions, trace very light amber limestone.
- 4190-4200 Limestone, yellow-tan, very light amber, very light brown, crypto to fine xln, with trace fossil fragment fair trace shale as above.
- 4200-10 Interbedded white, very light gray, very fine to fine grained, sandstone, with predominance of sandstone and shale, gray-brown, gray, green-gray, with trace red-green, red-brown, sub-waxy, slightly calcareous shale.
- 4210-20 Interbedded sandstone and shale as above.
- 4220-30 Interbedded siltstone sandstone and shale as above with shale becoming predominate, brown, waxy trace semi-translucent very light amber, brown-amber limestone.
- 4230-40 Interbedded siltstone, sandstone and gray-green, very light gray, brown-gray shale.
- 4240-50 Siltstone, sandstone, white, very light gray, very fine to fine grained, calcareous micro-micaceous, firm to friable with very scattered brown oil stain, trace green-gray, very light gray, gray-tan, red-gray shale.

- 3940-50 Shale, gray-tan, gray-brown, brown, tan, waxy, dolomite, sub-fissile to fissile soft pliable trace tan oil stain, trace green gray shale as above.
- 3950-60 Shale as above with fair to good trace tan to brown den dolomite-limestone scattered sandy inclusions.
- 3960-70 Limestone, tan, gray-tan, micro-xln, argillaceous, with interbedded gray-tan, dolomitic shale.
- 3970-80 Shale, tan, gray-tan, limy, firm, with trace limestone as above.
- 3980-90 Shale tan, gray-tan, light gray-brown, waxy to sub-waxy, sub-fissile with scattered limy streaks, weak trace oil stain.
- 3990-4000 Shale, brown, gray-brown, tan, sub-waxy to waxy lustre sub-fissile, firm calcareous, trace ostracoda, brown chert.
- 4000-10 Shale gray, gray-brown, gray-tan, sub-waxy firm, calcareous, trace fossil fragment trace limestone brown buff-amber, amber firm, tite.
- 4010-20 Shale as above with fair trace limestone very light brown, tan, buff-tan, trace light gray, light green-gray, firm shale trace sandstone white, very light gray, very fine to fine grained, calcafeous friable.
- 4020-30 Shale brown to tan, gray-brown, gray-tan, sub-waxy to waxy lustre, firm, calcareous trace fossil shell fragment, trace limestone light brown, buff-tan, crypto xln, slightly argillaceous firm den tite trace ostracoda.
- 4030-40 Shale light gray, very light green-gray, very light brown-gray, sub-waxy lustre, firm, blocky slightly calcareous trace brown shale as above weak trace sandstone white, very fine grained calcareous trace limestone brown, tan, micro to crypto xln, with trace oolites.
- 4040-50 Shale as above with trace light purple-red, purple-brown, sub-waxy shale trace siltstone very light gray, white, micro-micaceous
- 4050-60 Shale as above with trace purple-red, purple-brown, shale with silty inclusions trace white, very fine grained slightly micro-micaceous, calcareous sandstone.
- 4060-70 Shale, light to medium gray-green, very light gray, purple-green, purple-brown, very light purple-red, yellow-green, sub-waxy lustre, slightly meta-bentonite, firm, blocky, trace sandstone white fragment calcareous friable.
- 4070-80 Missing.
- 4080-90 Shale as above with trace sandstone white, very fine to fine grained, calcareous friable with silty and slightly argillaceous inclusions, trace poor to fair porosity trace pyrite, trace brown den oolitic limestone.
- 4090-4100 Shale as above with trace sandstone trace brown, den oolitic limestone.

- 4250-60 Shale, gray-green, very light gray, gray-tan, red-gray, red-green, red-brown, sub-waxy, firm, blocky, with trace limestone gray-tan, tan, slightly oolitic ostracodal, trace white, very fine grained, calcareous sandstone.
- 4260-70 Shale as above with trace limestone slightly ostracodal and oolites and trace sandstone, siltstone, white, calcareous micro-micaceous.
- 4270-80 Shale as above with very silty and very sandy inclusions, very white trace limestone.
- 4280-90 Shale as above with silty and sandy inclusions.
- 4290-4300 Siltstone, sandstone white, very light gray, very fine to fine grained, calcareous micro-micaceous firm to friable with fair trace light green, very light gray, green-brown, red-green, sub-waxy, calcareous shale.
- 4300-10 Siltstone, sandstone as above with very scattered light brown oil stain, trace shale as above.
- 4310-20 Shale very light to medium gray, very light gray-green, gray-green, gray-tan, yellow-green, red-green, light gray, red, buff-gray, firm, blocky, meta-bentonite, slightly calcareous.
- 4320-30 Shale as above.
- 4330-40 Limestone, brown, gray-brown, gray, tan, crypto to micro-xln, with very scattered trace ostracoda, oolites, slightly argillaceous, trace gray to brown shale, very scattered brown oil stain.
- 4340-50 Limestone as above with trace gray-brown, brown firm, sub-waxy shale, very weak trace oil stain.
- 4350-60 Limestone, tan, cream-tan, gray-tan, micro- to very fine xln, slightly ostracodal, very scattered trace very poor interbedded xln porosity, very scattered trace brown oil stain, trace amber-brown silic limestone.
- 4360-70 Limestone as above trace chert with good trace shale gray-green, light green, gray, firm, blocky, slightly calcareous.
- 4370-80 Shale, gray-green, green-gray, gray, brown-gray, slightly calcareous firm, blocky, with trace fish fragment and scales, fair trace limestone as above with ostracoda and chert.
- 4380-90 Interbedded shale and limestone as above with weak trace white very fine grained sandstone.
- 4390-4400 Interbedded shale and brown, gray-brown, tan, den, slightly argillaceous limestone trace fish fragment, trace sandstone, white, very fine grained calcareous.
- 4400-10 Shale gray-green, gray, brown, weak trace purple-green, red-purple, purple-brown, light green, sub-fissile to sub-splintery slightly calcareous, trace silt and sandstone white very fine grained, calcareous trace tan, brown, gray-brown, crypto xln, limestone, slightly ostracodal.

- 4410-20 Shale as above very weak trace sandstone white, very fine grained with white trace brown oil stain.
- 4420-30 Shale as above with increase in purple-green, red-green, very light green, sub-waxy trace sandstone white, fine grained, calcareous, trace brown shale brown argillaceous limestone.
- 4430-40 Shale as above with good increase in limestone, tan, cream-tan gray-tan micro-xln, slightly ostracodal with trace oolites, weak trace oil stain, trace chert.
- 4440-50 Siltstone, sandstone, very light gray, very light green-gray, white, very fine to fine grained, micaceous, argillaceous with trace shale, very light green, gray-green, light gray, with weak trace purple-red, red-green, slightly calcareous firm.
- 4450-60 Siltstone, sandstone and interbedded shale as above.
- 4460-70 Interbedded shale and siltstone and sandstone as above.
- 4470-80 Siltstone and sandstone, white to red-brown, very fine to fine grained, micaceous, slightly calcareous with interbedded shale light green gray-green, red-brown, red-purple, red-green, firm, blocky, meta-bentonite, sub-waxy.
- 4480-90 Interbedded siltstone, sandstone and varicolored shale.
- 4490-4500 Shale, light gray-green, light green, gray, with trace red-brown, red-purple, olive green, sub-waxy lustre, firm, blocky meta-bentonite, with scattered very silty inclusions trace siltstone, sandstone.
- 4500-10 Shale as above with silt and sandstone varicolored, predominate red-brown, very fine to fine grained, with varicolored quartz grains, argillaceous.
- 4510-20 Shale as above with varicolored siltstone, and sandstone as above trace limestone nodules.
- 4520-30 Siltstone, sandstone, red-brown, varicolored, white, very fine to fine grained, slightly argillaceous calcareous, with fair trace varicolored shale, trace limestone nodules.
- 4530-40 Shale, green-gray, red-brown, red-purple, red-green, firm, blocky, slightly micro-micaceous, slightly calcareous meta-bentonite, with scattered very silty and sandy inclusions.
- 4540-50 Shale as above with scattered very silty and sandy inclusions trace black carbonaceous to lignitic shale.
- 4550-60 Shale as above with fair to silty and sandy inclusions, considerable cavings.
- 4560-70 Shale as above with fair trace silty and sandy inclusions, considerable cavings.
- 4570-80 Siltstone, sandstone, very light red-white, light rusty-red, very fine to fine grained, with varicolored quartz grains, slightly argillaceous calcareous slightly micro-micaceous, with fair trace varicolored shale.

- 4580-90 Siltstone, sandstone as above with fair trace varicolored shale.
- 4590-4600 Siltstone, sandstone as above with trace shale.
- 4600-20 Missing.
- 4620-30 Siltstone, sandstone, light pink-white, very light lavender-pink, very fine to fine grained, calcareous, kaolinitic, slightly micaceous with trace gray, red-green, green-gray, rusty-red, sub-waxy shale.
- 4630-70 Shale, light gray, gray-green, gray-tan, red-gray, rusty-red, red-purple, sub-waxy lustre, slightly calcareous, sub-blocky and fair trace siltstone and sandstone as above.
- 4670-90 Shale as above with good trace siltstone, and sandstone, trace gypsum.
- 4690-4700 Shale, gray, gray-greens, trace red-browns, sub-waxy slightly calcareous, with fair trace siltstone and sandstone pink-white lavender-pink, very fine to fine grained calcareous slightly micaceous, very slightly argillaceous.
- 4700-10 Siltstone, sandstone, very light rusty-red, red-white, very fine to fine grained, argillaceous calcareous slightly micaceous with trace shale as above.
- 4710-50 Shale and siltstone, and sandstone interbedded as above with very weak trace coal or gilsonite.
- 4750-80 Shale, light green, very light gray-green, very light gray, gray, red-brown, red-tan, purple-red, sub-waxy, slightly calcareous very scattered mica-micaceous, with interbedded silty and sandy streaks with scattered weak trace coal.
- 4780-90 Shale as above with increase in rusty-reds and purple-reds, slightly micaceous slightly calcareous meta-bentonite, with scattered silty and sandy inclusions.
- 4790-4800 Shale as above with fair trace siltstone, sandstone, very light orange-red, light lavender-pink, very fine to fine grained calcareous, micaceous slightly argillaceous.
- 4800-20 Siltstone, sandstone very light orange-white, very light lavender-red, very fine to fine grained, slightly micaceous, calcareous, slightly argillaceous with fair trace shale, varicolored, slightly calcareous firm, sub-blocky.
- 4820-60 Siltstone, sandstone pink-white, white, very fine to medium grained, angular to sub-rounded, clear frosted, with very light orange pink, yellow, lavender quartz grains, with trace gray to black chert grains, trace green accessory mineral trace mica, calcareous, slightly argillaceous, kaolinitic, firm to friable with trace varicolored shale.
- 4860-4900 Siltstone, sandstone as above with fair trace varicolored shale, predominate red-brown.
- 4900-40 Shale varicolored, sub-waxy lustre, slightly calcareous, sub-splinty to blocky with fair trace siltstone, and sandstone as above.

- 4940-5000 Siltstone, sandstone, very light red-brown, very light pink-lavendar white, very fine to fine grained, micaceous, calcareous slightly argillaceous with trace interbedded varicolored shale.
- 5000-10 Shale light gray, light green-gray, with trace red-brown, purple-red, sub-waxy lustre, slightly calcareous with fair trace interbedded white light lavendar white, very fine to fine grained, slightly micaceous calcareous sandstone, and siltstone.
- 5010-50q Siltstone, sandstone, white, very light rusty-red, very light lavendar-red, very fine to fine grained, calcareous micaceous, slightly argillaceous with moderate trace varicolored shale.
- 5050-60 Siltstone, sandstone, white, very light red-gray, very light red-brown, very fine to fine to medium grained, angular to sub-rounded with varicolored quartz grains, trace gray to black chert grains, micaceous calcareous slightly argillaceous with interbedded varicolored shale.
- 5060-90 Shale varicolored, sub-waxy, slightly calcareous, slightly meta-bentonite, firm, blocky with scattered very silty and sandy streaks, with weak trace coal.
- 5090-5100 Siltstone, sandstone, white, very light rusty-red, white, very fine to fine grained, slightly micaceous, calcareous, kaolinitic with trace varicolored shale.
- 5100-10 Sandstone, white, very light gray, fine to medium grained, angular to sub-rounded, clear frosted with light varicolored quartz grains, trace gray to black chert grains, slightly micaceous, slightly calcareous kaolinitic, trace very light green interstitial clay, very firm to friable with trace very poor to poor porosity, trace gas indication while shut down trace varicolored shale.
- 5110-30 Shale, varicolored, slightly calcareous firm sub-blocky, with trace siltstone, sandstone as above weak trace limestone nodules trace gypsum.
- 5130-40 Siltstone, sandstone, very light red-white, white, very fine to fine grained, calcareous, micaceous slightly argillaceous with fair trace varicolored shale (predominate red-brown)
- 5140-60 Shale varicolored (predominate, reds and green-grays) trace gypsum and silty streaks.
- 5160-5200 Shale as above becoming predominate rusty-red with very silty and very sandy inclusions, slightly calcareous, slightly micro-micaceous, very scattered trace gypsum.
- 5200-20 Shale varicolored with predominate of reds and green-grays, sub-waxy lustre meta-bentonite very slightly calcareous, with silty and sandy inclusions.
- 5220-50 Shale as above with fair to good trace of interbedded silty and sandy streaks.

- 5250-70 Siltstone, sandstone white, light red-white, very fine to fine grained, varicolored quartz grains, trace gray to black chert grains, micaceous, calcareous, with argillaceous streaks, trace varicolored shale.
- 5270-5300 Siltstone, sandstone, white, very light gray, very fine to medium grained, angular to sub-rounded, clear, forsted with trace very light varicolored quartz grains, weak trace gray to black chert grains, slightly micaceous, slightly calcareous kaolinitic, slightly argillaceous streaks, firm to friable with very poor very scattered porosity, trace varicolored shale.
- 5300-30 Siltstone, sandstone, white, very light gray, very light green-gray, very fine to fine grained, with occasional trace medium grained, slightly calcareous, micaceous kaolinitic, with very light green interstitial clay, with trace varicolored shale.
- 5330-45 Shale varicolored with very good trace siltstone and sandstone as above.

Converted from Gasiated Water to Mud as Drilling Medium at 5347.

- 5347-60 Shale, very light to medium gray, green-gray, red-green, rusty-red, purple-red, gray-yellow, slightly sub-waxy, lustre slightly calcareous, firm, sub-blocky, meta-bentonite, with scattered trace silty inclusions, trace white succrosive gypsum and limestone nodules trace black carbonaceous shale.
- 5360-70 Shale as above with trace siltstone, sandstone, very light green-gray, very fine grained, calcareous micro-micaceous firm, tite, trace gypsum trace limestone nodules.
- 5370-80 Shale varicolored as above with interbedded thin siltstone and sandstone stringers.
- 5380-90 Siltstone, sandstone, very light gray, very light green-gray, very fine to medium fine grained, angular to sub rounded, clear frosted, with trace very light varicolored quartz grains, trace black to gray chert grains, trace green accessory mineral slightly micaceous, calcareous, kaolinitic firm tite fair trace varicolored shale, trace limestone nodules, trace pyrite.
- 5390-5400 Shale varicolored with fair trace siltstone and sandstone as above.
- 5400-40 Shale varicolored with predominate of gray-greens and rusty reds, moderate trace siltstone, sandstone, very light gray, very light gray-gray, very fine to fine grained, calcareous kaolinitic slightly micaceous slightly argillaceous firm, tite.

- 5440-70 Shale varicolored with trace very silty and very sandy inclusions trace varicolored limestone nodules trace pyrite.
- 5470-80 Shale rusty-red, red-purple, gray-green, green-red, olive, sub-waxy lustre slightly calcareous with very scattered silty and sandy inclusions, trace gypsum.
- 5480-90 Shale as above with fair trace siltstone, sandstone, very light green-gray, very light gray-white, very fine to fine grained, calcareous, slightly micaceous, kaolinitic, trace pseudo-glaucinite, trace argillaceous streaks.
- 5490-5500 Shale rusty-red, red-purple, yellow-red, gray-green, gray slightly, sub-waxy, meta-bentonite slightly calcareous blocky, with trace interbedded very light gray-green, very light gray, calcareous very fine to fine grained sandstone, firm, tite.
- 5500-10 Shale as above with increase in sandstone.
- 5510-15 Sandstone, very light green-white, very light gray-green, very fine to medium grained, angular to sub-rounded, clear frosted with trace light pink, orange, and amber quartz grains, with trace black to gray chert grains, trace mica, trace very light green interstitial clay flecks, calcareous kaolinitic, scattered argillaceous streaks with scattered friable streaks trace very poor porosity, fair trace varicolored shale trace pyrite.
- 5515-20 Sandstone as above with fair trace varicolored shale.
- 5520-25 Sandstone, very light green-white, very light gray-green, very fine to medium coarse, angular to sub-rounded, clear frosted with trace very light orange, very light pink, very light amber, quartz grains, scattered trace gray to black chert grains, slightly micaceous, weak trace very light green interstitial clay, calcareous with very calcareous streaks, kaolinitic, very scattered slightly argillaceous streaks, firm to friable with very scattered very poor to fair porosity, trace shale as above.
- 5525-32 Shale varicolored, predominate dark rusty-red, slightly calcareous meta-bentonite, firm, blocky with scattered silty and sandy streaks.
- 5532- Shale as above.
- 5532-40 Missing.
- 5540-50 Shale, gray-green, gray, red-brown, red-purple, yellow gray, firm, blocky, slightly calcareous with very scattered silty inclusions, trace interbedded sandstone, very light green-white, very fine to medium grained angular to sub-rounded, clear frosted, trace orange very light pin, very light amber quartz grains, very scattered trace gray to black chert, slightly micaceous, calcareous, kaolinitic, firm, tite trace limestone nodules.
- 5550-60 Shale as above with trace interbedded sandstone.

- 5560-70 Shale as above with weak trace siltstone and sandstone inclusions.
- 5570-80 Shale, red-brown, red-purple, red and yellow, gray-red, with trace gray-green, gray, firm blocky to soft lumpy, slightly calcareous with scattered silty streaks trace siltstone and sandstone inclusions, weak trace gypsum.
- 5580-90 Shale as above with fair trace siltstone, sandstone, light green, light green-gray, white, very fine to fine grained, calcareous, slightly micaceous with very scattered trace argillaceous streaks, trace limestone nodules.
- 5590-5600 Shale, varicolored as above with fair trace siltstone, sandstone as above.
- 5600 Shale, red-brown, purple-red, gray-red, green-gray, firm, blocky, slightly calcareous, with trace thin siltstone, sandstone, stringers, light gray, very fine grained, calcareous micro-micaceous, slightly argillaceous.

T. D. 5602 Driller
5588 Schlumberger

**UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY**

LAND OFFICE _____
 LEASE NUMBER **Uintah 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 October, 1959,

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

Vernal, Utah

Signed *Paul Hugh* **Manager and Vice President**

Phone 1073 Agent's title _____

| 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) |
|---------------------|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|--|
| SENE 16 | 10S | 21E | 1 | -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 _____
UNIT Uintah 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, 1959,

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

Phone 1073 Agent's title Manager

| SEC. AND ¼ OF ¼ | 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) |
|--------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| SENE 16 | 10S | 21E | 1 | -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.)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE _____
LEASE NUMBER _____
UNIT Uintah 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 [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) |
|---------------------|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|--|
| SENE 16 | 108 | 215 | 1 | -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 _____
 UNIT Uintah 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 January, 1960,

Agent's address Box 523 Company DeKalb Agricultural Assn., Inc.
Vernal, Utah Signed Saul Singh
 Phone 1073 Agent's title Manager

| SEC. AND ¼ OF ¼ | 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) |
|--------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| SENE 16 | 10S | 21E | 1 | -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
LEASE NUMBER _____
UNIT Uintah 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, 19 60,

Agent's address 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) |
|---------------------|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|--|
| SENE 16 | 10S | 21E | 1 | -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
LEASE NUMBER _____
UNIT Uintah 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 March, 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) |
|---------------------|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|--|
| SENE 16 | 10S | 21E | 1 | -0- | -0- | -0- | -0- | -0- | -0- | Shut In. |
| NEWE 35 | 10S | 20E | 2 | -0- | -0- | -0- | -0- | -0- | -0- | Location Staked, Building roads |

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 Uintah 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 April, 1960,

Agent's address Box 523 Company DEKALB AGRICULTURAL ASSN., INC.
Vernal, Utah Signed Paul Singh
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) |
|---------------------|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|--|
| SEME 16 | 10S | 21E | 1 | -0- | -0- | -0- | -0- | -0- | -0- | Shut In. |
| MEME 35 | 10S | 20E | 2 | -0- | -0- | -0- | -0- | -0- | -0- | Drilling at 5262' Shale Spudded 4-10-60 |

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 Uintah 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 May, 1960.

Agent's address Box 523 Company DEKALB AGRICULTURAL ASSN., INC.
Vernal, Utah Signed Saul Singh

Phone 1073 Agent's title Manager

| SEC. AND K or K | 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 show down, cause; date and result of test for gasoline content of gas) |
|--------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| SESE 16 | 10S | 21E | -0- | -0- | -0- | -0- | -0- | -0- | -0- | Shut In. |
| NENE 35 | 10S | 20E | -0- | -0- | -0- | -0- | -0- | -0- | -0- | T. D. 5672'. Completed 5-17-60 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.

DEKALB

Agricultural Association Inc.
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division

P. O. BOX 523
VERNAL, UTAH
TELEPHONE 1673

September 18, 1962

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

Gentlemen:

Enclosed please find veri-fax copies of Pressure Build-up Surveys on the following wells:

| | | | |
|----------------------------------|-----|------|--------|
| Uintah Unit # 1 | 105 | 21 E | sec 16 |
| Uintah Unit # 3 | 10 | 20 | 12 |
| Ute Trail # 3 | 10 | 22 | 16 |
| Ute Trail # 6 | 9 | 20 | 24 |
| Ute Trail # 7 | 10 | 22 | 4 |
| Ute Trail # 9 | 10 | 22 | 6 |
| Ute Trail # 10 | 9 | 21 | 34 |
| Ute Trail # 11 | 9 | 21 | 25 |
| Ute Trail ²²⁵ # 52-X9 | | 20 | 22 |
| Ute Trail ⁹¹ # 83-X10 | | 22 | 9 |
| Sun Unit # 2 | 9 | 20 | 20 |

Yours very truly

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

J. F. Tadlock

J. F. Tadlock
Production Drilling Supt.

JFT/lk
Encls:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE
LEASE NUMBER
UNIT Natural Buttes

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Natural Buttes
The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1972, NB 3,4,6,8 - Uintah 1,4
Agent's address P. O. Box 1138 Company Gas Producing Enterprises, Inc.
Vernal, Utah 84078 Signed [Signature]
Phone 789-4433 Agent's title Production Clerk

| 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, describe and show casing date and result of test for gas and contact of flow) | |
|--|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|---|--|
| WASATCH-MESAVERDE PARTICIPATING AREA "A" | | | | | | | | | | | |
| U-01791 | | | | | | | | | | | |
| SWNE 17 | 10S | 21E | 3 | 28 | - | | 4,132 | | | Dual Completion | |
| WASATCH-MESAVERDE PARTICIPATING AREA "B" | | | | | | | | | | | |
| U-0149075 | | | | | | | | | | | |
| NESE 23 | 9S | 21E | 4 | 28 | 48 | | 8,976 | | | | |
| U-0149076 | | | | | | | | | | | |
| NWSE 24 | 9S | 21E | 6 | 26 | 5 | | 7,366 | | | | |
| PARTICIPATING AREA PENDING | | | | | | | | | | | |
| U-01191A | | | | | | | | | | | |
| SWNE 33 | 9S | 22E | 8 | 28 | | | 5,058 | | | | |
| TRACT 2 PARTICIPATION | | | | | | | | | | | |
| State | | | | | | | | | | | |
| SENE 16 | 10S | 21E | 1 | | | | | | | SI Indefinitely | |
| U-02277A | | | | | | | | | | | |
| SWNE 23 | 10S | 21E | 4 | | | | | | | SI Indefinitely | |
| | | | | | | | Gas Disposition | Cond. Disposition | | | |
| | | | | | | | Sold 25,532 | On hand | 111 | 144 | |
| | | | | | | | Flared/Vented 0 | Produced | 62 | | |
| | | | | | | | Fuel 0 | Sold | 72 | | |
| | | | | | | | | Lost | | | |
| | | | | | | | | On hand | 11/30 | 137 | |

NOTE.—There were 72 runs or sales of oil; 25,532 M cu. ft. of gas sold;

..... 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 _____
UNIT Natural Buttes

LESSEE'S MONTHLY REPORT OF OPERATIONS

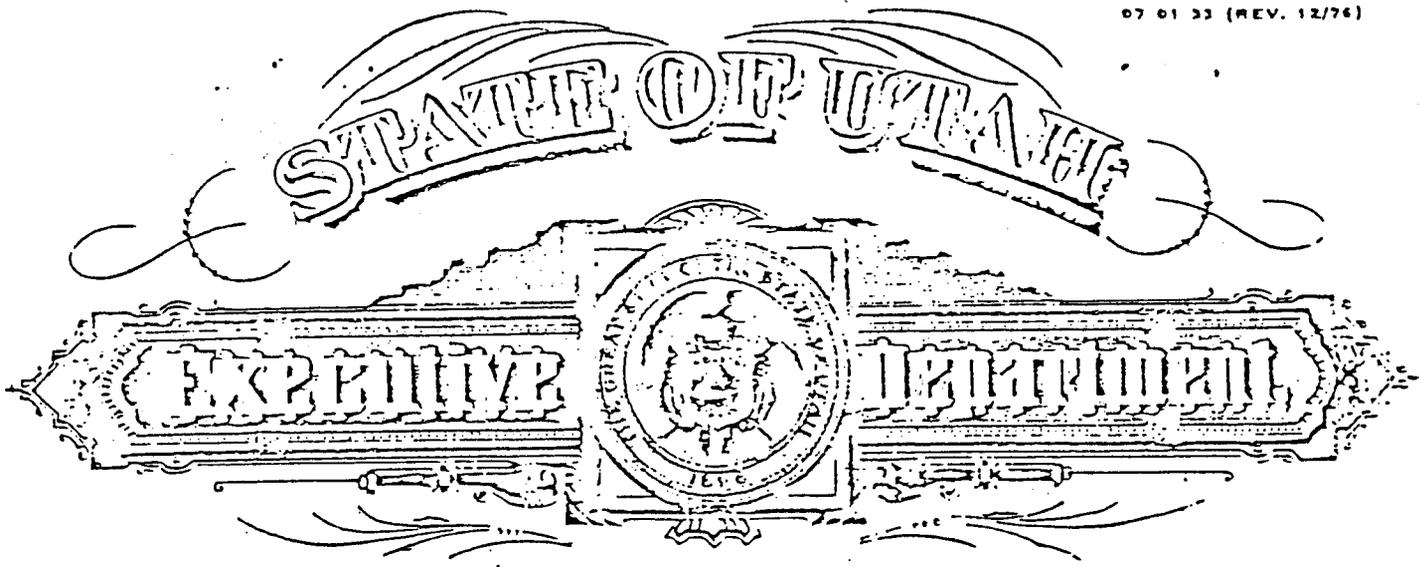
State Utah County Uintah Field Natural Buttes

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1977, NB #'s 3, 4, 6, 8 - Uintah Unit 1, 4
Agent's address P. O. Box 749 Company Gas Producing Enterprises, Inc.
Denver, Colorado 80201 Signed H. W. Hodge
Phone (303) 572-1121 Agent's title Administrative Supervisor

| 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) |
|---|------|-------|----------|---------------|-------------------------------|---------|-------------------------------|-------------------------------|--------------------------------------|--|
| WASATCH-MESAVERDE PARTICIPATING AREA "A" | | | | | | | | | | |
| U-01791 | | | | | | | | | | |
| SWNE 17 10S 21E | | | 3 | 0 | 0 | - | 0 | - | 0 | loaded w/ fluid Dual Completion |
| WASATCH-MESAVERDE PARTICIPATING AREA "B" | | | | | | | | | | |
| U-0149075 | | | | | | | | | | |
| NESE 23 9S 21E | | | 4 | 31 | 386 | 60+ | 10,390 | - | 0 | |
| U-0149076 | | | | | | | | | | |
| NWSE 24 9S 21E | | | 6 | 31 | 0 | - | 10,541 | - | 0 | |
| PARTICIPATING AREA PENDING | | | | | | | | | | |
| U-01191A | | | | | | | | | | |
| SWNE 33 9S 22E | | | 8 | 31 | 0 | - | 7,214 | - | 0 | |
| TRACT 2 PARTICIPATION | | | | | | | | | | |
| State | | | | | | | | | | |
| SENE 16 10S 21E | | | 1 | 0 | 0 | - | 0 | - | 0 | SI Indefinitely |
| U-02277A | | | | | | | | | | |
| SWNE 23 10S 21E | | | 4 | 0 | 0 | - | 0 | - | 0 | SI Indefinitely |
| | | | | | DISPOSITIONS | | | GAS | | |
| OIL | | | | | On hand at beginning of month | | | Sold..... | | |
| | | | | | Produced during month..... | | | Flared/Vented.... | | |
| | | | | | Sold during month..... | | | Used On/Off Lease | | |
| | | | | | Unavoidably lost..... | | | | | |
| | | | | | Reason..... | | | WATER | | |
| | | | | | On hand at end of month..... | | | Pit..... | | |
| | | | | | | | | Injected..... | | |
| | | | | | | | | Trucked..... | | |
| | | | | | | | | Other..... | | |

NOTE.—There were 3 runs or sales of oil; 28,145 M cu. ft. of gas sold;
_____ 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.



Office of Lt. Governor/Secretary of State
 AMENDED CERTIFICATE OF AUTHORITY
 OF
 COASTAL OIL & GAS CORPORATION

I, DAVID S. MONSON, Lt. Governor/Secretary of State of the State of Utah, hereby certify that duplicate originals of an Application of
 COASTAL OIL & GAS CORPORATION formerly
 GAS PRODUCING ENTERPRISES, INC.

for an Amended Certificate of Authority

duly signed and verified pursuant to the provisions of the Utah Business Corporation Act, have been received in my office and are found to conform to law.

ACCORDINGLY, by virtue of the authority vested in me by law, I hereby issue this Amended Certificate of Authority to
 COASTAL OIL & GAS CORPORATION
 to transact business in this State

and attach hereto a duplicate original of the Application for such Amended Certificate.

File No. #49324

IN TESTIMONY WHEREOF, I have
 hereunto set my hand and affixed the
 Great Seal of the State of Utah at Salt
 Lake City, this 4th day of
 April A.D. 1978

David S. Monson

LT. GOVERNOR/SECRETARY OF STATE

IMPORTANT MESSAGE

FOR Vicky
 DATE 2/11 TIME 1:30 A.M.
 P.M.
 M Randy Wehl
 OF Coastal / Denver
 PHONE 303-573-4468
AREA CODE NUMBER EXTENSION

| | | | |
|--------------------|--|-------------------|-------------------------------------|
| TELEPHONED | | PLEASE CALL | <input checked="" type="checkbox"/> |
| CAME TO SEE YOU | | WILL CALL AGAIN | |
| WANTS TO SEE YOU | | RUSH | |
| RETURNED YOUR CALL | | SPECIAL ATTENTION | |

MESSAGE Winteh #1, #4

#4 - Deeded BSM Sept. 21, 82

#1 - WSW (same)

SIGNED Ltsha

LITHO IN U.S.A.

COMPANY: COASTAL VERNAL BUM UT ACCOUNT # _____ SUSPENSE DATE: _____

WELL NAME: UNITA UNIT STATE #1

API #: 4304715375

SEC, TWP, RNG: 16 10S 21E

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: BENNA

CONTACT TELEPHONE NO.: 1-789-1362

SUBJECT: STATUS OF WELL?

5-5-88 BENNA STATES THIS WELL DEFINITELY BELONGS TO COASTAL.

2:50 5-5-88 WELL IS TA'D PER RANDY AT COASTAL - HE WILL CHECK THE FILE & GIVE VERBAL VERIFICATION & SEND COPIES OF ANYTHING HE CAN FIND
(Use attachments if necessary)

RESULTS: RANDY WILL HAVE SHAREE CALL BACK TO VERIFY STATUS

2-11-88 8:20

4-3-88 4:00 BENNA WILL CALL BACK

5-4-88 11:00 SIGW IN UNIT (NATURAL BUTTES)

BENNA CHECKED WITH COASTAL & WILL CALL BACK.

(Use attachments if necessary)

CONTACTED BY: _____

DATE: _____

status changes.

- 43-047 ✓ 15102 from SSW to PA 4/80 qd, ed 13-²⁰~~25~~-05 #2 Byllesby.
1-22-48
Water Supply #20448 from WSW to PA. 2/87 6-25-36 Rogan et al #1
no file
~~10505 from WSW to PA 10/86 7-23-9 Pearl Producers #3.~~
filed in Prod 130579. from TA to PA 9/86 8-21-33 Duncan Fed #33 #8
✓ 30714 from SOW to WSW 4/80 5-23-18 Cat Creek 18-1A.
✓ 15375 from SOW to WSW 11/86 10-21-16 Uintah Unit #1
✓ 15376 from PA to WSW 12/86 10-21-23. Uintah Unit #4
✓ 15275 from POW to WSW 10/86 7-23-26. RWU 165.
✓ 31473 from PA to SOW 8-18-26 Parrett Fed 16-26

from Carol Kubly 5 Oct 87
789-1388

12-11-87

JOHN - HERE ARE THE FILES FOR THE ABOVE LIST FROM CAROL.

CAN I USE THIS LIST TO CHANGE THE STATUS OR WAD WE REQUEST ADD'L INFO FROM THE OPERATORS?

PLEASE ADVISE!

Vicky C



Coastal Oil & Gas Corporation
a subsidiary of The Coastal Corporation

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

303/572-1121

RECEIVED
MAY 16 1988

May 13, 1988 DIVISION OF
OIL, GAS & MINING

State of Utah
Natural Resources
Oil Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Vicki Carney:

Please find the enclosed well information and chronology for the Uintah Unit #1 well. I hope this information will meet your needs as we discussed per phone conversation 5-13-88. If you have any further questions or need additional assistance please advise.

Sincerely,

Randy Wahl
Administrative Supervisor
(303) 573-4468

RW:dh

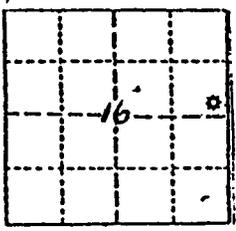
Enclosure

State Utah Co. Uintah Company COG (DeKalb)

Area/Field _____ Lease & Well No. #1 Uintah Unit

Loc. SE SE NE Sec. 16 Twp. 10S Rge. 21E

Loc. Description 2310 FNL & 330 FEL



Objective Wasatch Spd. 8/22/59

T.D. 5606 P.B.D. _____ Cpl./Abd. 9/29/59

Elev. 5175 Gd. 5186 ~~KB/RT/DF~~

Bottom Form. Wasatch Prod. Form. Wasatch

Prod. Interval 5110-5314 gross

Init. Prod. IP 5300 MCFGPD Status T.A. *water well*

Casing record 13-3/8" @ 205 cmt/210 sx, 8-5/8" @ 1832 cmt/300 sx,
5 1/2" @ 5604 cmt/500 sx.

Perfs. 5510-26, 5308-14, 5258-66

| Formation Tops | Operator | Company | Other |
|----------------|-------------|------------|-------|
| Green River | 1250 + 3920 | | |
| Wasatch | 4450 + 720 | 4458 + 728 | |
| | | | |
| | | | |

Logs IES 1832-5582, Microlog, Sonic GR, Gamma Ray Correlation, Tem-
perature

Cores None

DST's #1 5505-5532

Stimulation Fract with Diesel & Sand

Misc. Logs _____

COMMENTS: Good geology report & drilling history in file

PRODUCTION DATA (MCF)

| Year | Annual | Accumulated | Remarks |
|------|--------|-------------|--------------------------|
| 1961 | 24,888 | 24,888 | First Production October |
| 1962 | 99,841 | 124,729 | 12 mo = 111,183M |
| 1963 | 57,021 | 181,750 | |
| 1964 | 38,400 | 220,150 | |
| 1965 | 30,000 | 250,150 | |
| 1966 | 21,600 | 271,750 | |
| 1967 | 25,200 | 296,950 | |
| 1968 | 22,800 | 319,750 | |
| 1969 | 20,595 | 340,345 | |
| 1970 | 19,200 | 359,545 | |
| 1971 | 11,742 | 375,838 | |
| 1972 | 2,999 | 378,837 | Shut In |
| 1973 | | | |
| 1974 | | | |
| 1975 | | | |
| 1976 | | | |
| 1977 | | | Shut In |

1983

T.A.

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Unit Unit #1

Suspense 2-20-90 Other

(Return Date) 8/17/89

(Location) Sec 16 Twp 10S Rng 21E

(To - Initials) ADS

(API No.) 43-047-15375

JLC

1. Date of Phone Call: 7/18/89 ^{2/2/90} Time: 1:45

2. DOGM Employee (name) Arlene S. (Initiated Call
Talked to: Randy Wahl (Denver) referred me to:
Name Jonah (Initiated Call - Phone No. (303) 572-1121
of (Company/Organization) Coastal Oil & Gas

3. Topic of Conversation: Called to Jonah (was in Denver) re:
status of this well. She will call when she is back in
Denver to check this well.

4. Highlights of Conversation: _____
2-26-90 12:15 left msg for her to call me after 2:30

^{3:30}
²⁻²⁶⁻⁹⁰ 1986 converted to WSW. Target Trucking &
Dalby Trucking. Have filed for water rights.
Jonah will research file & submit
sundry stating this is a WSW.

IMPORTANT MESSAGE

FOR Unit #1

DATE _____ TIME _____ A.M.
P.M.

M Linda

OF _____

PHONE _____ AREA CODE _____ NUMBER _____ EXTENSION _____

FAX

MOBILE _____ AREA CODE _____ NUMBER _____ TIME TO CALL _____

| | | | |
|--------------------|--|-------------------|--|
| TELEPHONED | | PLEASE CALL | |
| CAME TO SEE YOU | | WILL CALL AGAIN | |
| WANTS TO SEE YOU | | RUSH | |
| RETURNED YOUR CALL | | SPECIAL ATTENTION | |

MESSAGE _____

1342

1900 - 3550

SIGNED _____

TC



FORM 3002P
LITHO IN U.S.A.

43-047-15375

SE/NE 1) De Kalb

10 S; 2) Tenneco

21 E;

3) Coastal

S-16

Op. Tenneco
DeKalb

WSU
put on
plugged status
if operation returns
if partnership - active

1

TIM INO

~~789~~ - 4493 ✓

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

8

| | | | |
|--|--|--|-------------------|
| SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small> | | 3. LEASE DESIGNATION & SERIAL NO. ML-10755 | |
| | | 6. IF INDIAN ALLOTTEE OR TRIBE NAME | |
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Well | | 7. UNIT AGREEMENT NAME Natural Buttes Unit | |
| 2. NAME OF OPERATOR Coastal Oil & Gas Corporation | | 8. FARM OR LEASE NAME Uintah | |
| 3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 30201-0749 | | 9. WELL NO. 1 | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2310' FNL & 330' FEL, Section 16 At proposed prod. zone | | 10. FIELD AND POOL, OR WILDCAT | |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 16-T10S-R21E | |
| 14. API NO. 43-047-15375 | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5153' GR | 12. COUNTY Uintah | 13. STATE Utah |

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

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

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.)

* Must be accompanied by a cement verification report.

This well was originally drilled and completed as a producing gas well. Coastal took over operations of well 12/9/71. Since taking over operations this well has only produced water.

WATER RIGHT 1985
OWNER TARGET TRUCKING
DALBO TRUCKING
SAME PERM SECTION AS ORIGINAL
COMPLETION NO WELL LOG FILED WITH
???

[Handwritten signature]
WATER RIGHTS OR IF SO NOTED IN COMPUTER.

| | |
|-----------|------------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |
| 5. _____ | 6. _____ |
| 7. _____ | 8. _____ |
| 9. _____ | 10. _____ |
| 11. _____ | 12. _____ |
| 13. _____ | 14. _____ |
| 15. _____ | 16. _____ |
| 17. _____ | 18. _____ |
| 19. _____ | 20. _____ |
| 21. _____ | 22. _____ |
| 23. _____ | 24. _____ |
| 25. _____ | 26. _____ |
| 27. _____ | 28. _____ |
| 29. _____ | 30. _____ |
| 31. _____ | 32. _____ |
| 33. _____ | 34. _____ |
| 35. _____ | 36. _____ |
| 37. _____ | 38. _____ |
| 39. _____ | 40. _____ |
| 41. _____ | 42. _____ |
| 43. _____ | 44. _____ |
| 45. _____ | 46. _____ |
| 47. _____ | 48. _____ |
| 49. _____ | 50. _____ |
| 51. _____ | 52. _____ |
| 53. _____ | 54. _____ |
| 55. _____ | 56. _____ |
| 57. _____ | 58. _____ |
| 59. _____ | 60. _____ |
| 61. _____ | 62. _____ |
| 63. _____ | 64. _____ |
| 65. _____ | 66. _____ |
| 67. _____ | 68. _____ |
| 69. _____ | 70. _____ |
| 71. _____ | 72. _____ |
| 73. _____ | 74. _____ |
| 75. _____ | 76. _____ |
| 77. _____ | 78. _____ |
| 79. _____ | 80. _____ |
| 81. _____ | 82. _____ |
| 83. _____ | 84. _____ |
| 85. _____ | 86. _____ |
| 87. _____ | 88. _____ |
| 89. _____ | 90. _____ |
| 91. _____ | 92. _____ |
| 93. _____ | 94. _____ |
| 95. _____ | 96. _____ |
| 97. _____ | 98. _____ |
| 99. _____ | 100. _____ |

Manager _____ DATE March 6, 1990

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side


[State Online Services](#)
[Agency List](#)

UTAH DIVISION OF WATER RIGHTS

WRPRINT Water Right Information Listing

Version: 2001.08.06.00 Rundate: 08/27/2001 10:25 AM

Water Right 49-986

[View Documents](#)

[WRPRINT] ***WR#: 49 986 has been PRINTED!!
 (WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 08/2
 WRNUM: 49-986 APPLICATION/CLAIM NO.: A57467 CERT. NO.:

OWNERSHIP*****

NAME: Curry Leasing OWNER MISC: c/o Joe Curry
 ADDR: P.O. Box 227
 CITY: Altamont, STATE: UT ZIP: 84001 INTEREST: 100%
 LAND OWNED BY APPLICANT? No

DATES, ETC.*****

FILING: 03/09/1982|PRIORITY: 03/09/1982|ADV BEGAN: / / |ADV ENDED: / / |NEWSPAPER:
 PROTST END: / / |PROTESTED: [] |APPR/REJ: []|APPR/REJ: 07/02/1982|PROOF DUE: 06/30/1986|EXTEN
 ELEC/PROOF:[Election]|ELEC/PROOF:07/26/1982|CERT/WUC: 10/28/1985|LAP, ETC: / / |PROV LETR: / / |RENOV
 PD Book No. Type of Right: APPL Status: WUCS Source of Info: APPL Map: Date Verified: 10/25/1983 I

LOCATION OF WATER RIGHT*****

FLOW: 0.015 cfs SOURCE: Underground Water Well
 COUNTY: Uintah COMMON DESCRIPTION: 11-1/2 Miles SE of Quray

POINT OF DIVERSION -- UNDERGROUND:
 (1) S 2200 ft W 400 ft from NE cor, Sec 16, T 10S, R 21E, SLBM DIAM: ins. DEPTH: to ft. YEAR DRILLED:
 Comment:

USES OF WATER RIGHT*****

CLAIMS USED FOR PURPOSE DESCRIBED: 986



UTAH DIVISION OF WATER RIGHTS

WRPRINT Water Right Information Listing

Version: 2001.08.06.00 Rundate: 08/27/2001 10:27 AM

Water Right 49-1399

[View Documents](#)

[WRPRINT] ***WR#: 49 1399 has been PRINTED!!
(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 08/2
WRNUM: 49-1399 APPLICATION/CLAIM NO.: A61983 CERT. NO.:

OWNERSHIP*****

NAME: Dalbo Incorporated OWNER MISC:
ADDR: 355 So. 1000 East
CITY: Vernal STATE: UT ZIP: 84078 INTEREST:
LAND OWNED BY APPLICANT? No

DATES, ETC.*****

FILING: 08/15/1985|PRIORITY: 08/15/1985|ADV BEGAN: 09/10/1986|ADV ENDED: / / |NEWSPAPER: Vernal Express
PROTST END:10/24/1986|PROTESTED: [Yes] |APPR/REJ: [Approved]|APPR/REJ: 04/10/1987|PROOF DUE: 06/30/1990|EXTEN
ELEC/PROOF:[Election]|ELEC/PROOF:05/08/1990|CERT/WUC: / / |LAP, ETC: / / |PROV LETR: / / |RENOV
PD Book No. Type of Right: APPL Status: APP Source of Info: APPL Map: Date Verified: 08/27/1990 I

LOCATION OF WATER RIGHT*****

FLOW: 0.015 cfs SOURCE: Underground Water Well
COUNTY: Uintah COMMON DESCRIPTION: 11 1/2 Mi. SE of Ouray

POINT OF DIVERSION -- UNDERGROUND:
(1) S 2200 ft W 400 ft from NE cor, Sec 16, T 10S, R 21E, SLBM DIAM: 8 ins. DEPTH: to ft. YEAR DRILLED:
Comment:

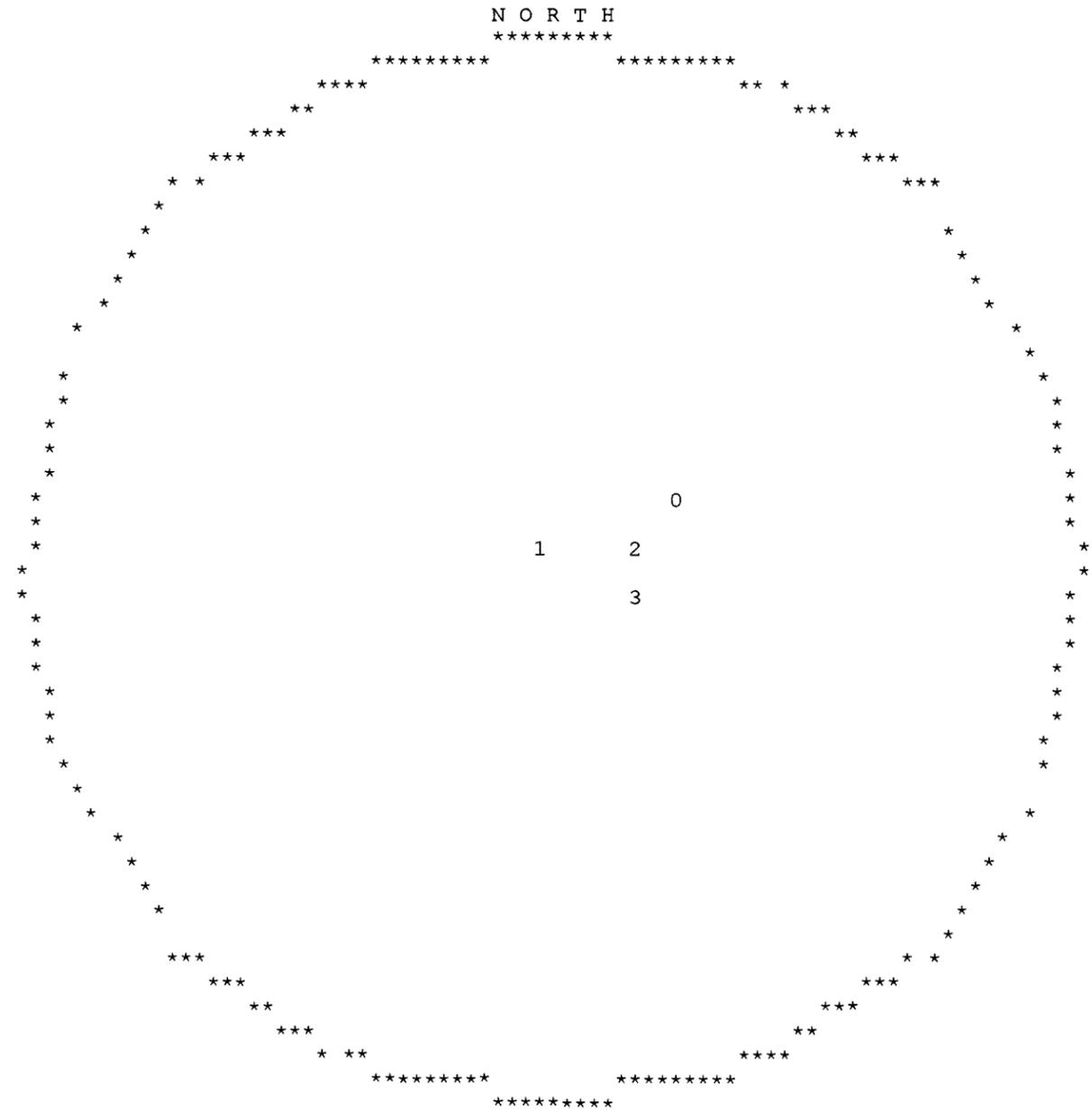
PLACE OF USE OF WATER RIGHT*****

NORTH-WEST4 NORTH-EAST4 SOUTH-WEST4 SOUTH-EAST4

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED MON, AUG 27, 2001, 10:02 AM
PLOT SHOWS LOCATION OF 10 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 2640 FEET FROM A POINT
S 2310 FEET, W 330 FEET OF THE NE CORNER,
SECTION 16 TOWNSHIP 10S RANGE 21E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 1000 FEET



JAN. 17. 2003 3:34PM

,TPORT

NO. 173 P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety - Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTU-25566 et al
(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

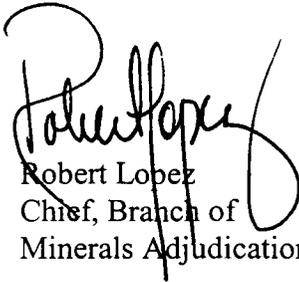
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523



Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.

CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono





IN REPLY REFER TO:
Real Estate Services

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240

FEB 10 2003

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure

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

FORM 9

| | | |
|--|--|---|
| SUNDRY NOTICES AND REPORTS ON WELLS | | 5. LEASE DESIGNATION AND SERIAL NUMBER: |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____ | | 7. UNIT or CA AGREEMENT NAME: |
| 2. NAME OF OPERATOR: El Paso Production Oil & Gas Company | | 8. WELL NAME and NUMBER: Exhibit "A" |
| 3. ADDRESS OF OPERATOR: 9 Greenway Plaza Houston TX 77064-0995 | | 9. API NUMBER: |
| PHONE NUMBER: (832) 676-5933 | | 10. FIELD AND POOL, OR WILDCAT: |
| 4. LOCATION OF WELL: FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH | | |

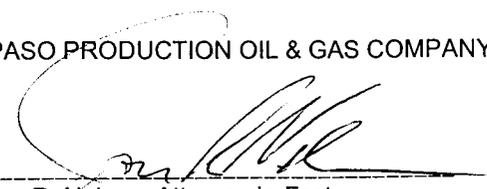
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | |
|--|---|---|--|
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
| <input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____ | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARILY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input checked="" type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLARE |
| | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/RESUME) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> OTHER: _____ |
| | <input type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____
State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

By: 
Jon R. Nelsen, Attorney-in-Fact

RECEIVED
FEB 28 2003
DIV. OF OIL, GAS & MINING

| | |
|---|---|
| NAME (PLEASE PRINT) <u>WESTPORT OIL AND GAS COMPANY, L.P.</u> <u>David R. Dix</u> | TITLE <u>Agent and Attorney-in-Fact</u> |
| SIGNATURE  | DATE <u>12/17/02</u> |

(This space for State use only)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.
SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SEE ATTACHED EXHIBIT "A"

9. API Well No.
SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal |
| | | | <input type="checkbox"/> Water Shut-Off |
| | | | <input type="checkbox"/> Well Integrity |
| | | | <input checked="" type="checkbox"/> Other |
| | | | SUCCESSOR OF OPERATOR |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletes horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed when testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)
CHERYL CAMERON

Title
OPERATIONS

Signature

Date
March 4, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

OPERATOR CHANGE WORKSHEET

ROUTING

| |
|----------|
| 1. GLH |
| 2. CDW ✓ |
| 3. FILE |

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

| | |
|--|-------------------------------|
| The operator of the well(s) listed below has changed, effective: 12-17-02 | |
| FROM: (Old Operator): | TO: (New Operator): |
| EL PASO PRODUCTION OIL & GAS COMPANY | WESTPORT OIL & GAS COMPANY LP |
| Address: 9 GREENWAY PLAZA | Address: P O BOX 1148 |
| HOUSTON, TX 77064-0995 | VERNAL, UT 84078 |
| Phone: 1-(832)-676-5933 | Phone: 1-(435)-781-7023 |
| Account No. N1845 | Account No. N2115 |

CA No.

Unit:

WELL(S)

| NAME | SEC TWN RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|---------------------------------|----------------|--------------|--------------|---------------|--------------|----------------|
| HALL 6-135 (CA CR-12) | 06-09S-22E | 43-047-33456 | 12712 | FEE | GW | P |
| HALL 6-138 (CA CR-12) | 06-09S-22E | 43-047-33457 | 12716 | FEE | GW | P |
| TRIBAL 6-140 | 06-09S-22E | 43-047-33459 | 13583 | INDIAN | GW | DRL |
| TRIBAL 6-139 | 06-09S-22E | 43-047-33458 | 99999 | INDIAN | GW | APD |
| NBU 12 | 18-09S-22E | 43-047-30119 | 9241 | FEDERAL | GW | PA |
| NBU 13 | 30-09S-22E | 43-047-30120 | 9242 | FEDERAL | GW | PA |
| NBU 8 | 33-09S-22E | 43-047-30108 | 9245 | FEDERAL | GW | PA |
| SOUTHMAN CYN 31-1-L (UTU-74898) | 31-09S-23E | 43-047-32543 | 11678 | FEDERAL | GW | P |
| SOUTHMAN CANYON 31-2 | 31-09S-23E | 43-047-34725 | 99999 | FEDERAL | GW | DRL |
| SOUTHMAN CANYON 31-3 | 31-09S-23E | 43-047-34726 | 13717 | FEDERAL | GW | DRL |
| SOUTHMAN CANYON 31-4 | 31-09S-23E | 43-047-34727 | 99999 | FEDERAL | GW | DRL |
| DESERT SPRINGS 24-B-9 | 24-10S-18E | 43-047-32181 | 11469 | FEDERAL | GW | PA |
| DESERT SPRINGS 29-1 | 29-10S-19E | 43-047-31961 | 11470 | FEDERAL | GW | PA |
| NBU 296 | 24-10S-20E | 43-047-32886 | 12472 | FEDERAL | GW | PA |
| NBU 12-5-10-21 GR | 05-10S-21E | 43-047-30426 | 11634 | FEDERAL | OW | P |
| UINTAH UNIT 1 | 16-10S-21E | 43-047-15375 | 9260 | STATE | WS | PA |
| NBU 76 | 26-10S-21E | 43-047-31084 | 99998 | FEDERAL | GW | PA |
| NBU 40 | 35-10S-21E | 43-047-30871 | 99998 | FEDERAL | GW | PA |
| UTE TRAIL U 7 | 04-10S-22E | 43-047-15381 | 9261 | FEDERAL | GW | PA |
| NBU 1 | 05-10S-22E | 43-047-20268 | 9243 | FEDERAL | GW | PA |

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/09/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 03/27/2003

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/27/2003

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

| |
|--------|
| 1. DJJ |
| 2. CDW |

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **1/6/2006**

| | |
|---|--|
| FROM: (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024 | TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024 |
|---|--|

| WELL NAME | CA No. | Unit: | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|-----------|--------|-------|-----|-----|-----|--------|-----------|------------|-----------|-------------|
|-----------|--------|-------|-----|-----|-----|--------|-----------|------------|-----------|-------------|

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on:
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet

7. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006

8. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal |
| | | | <input type="checkbox"/> Water Shut-Off |
| | | | <input type="checkbox"/> Well Integrity |
| | | | <input checked="" type="checkbox"/> Other CHANGE OF OPERATOR |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 10 2006
DIV. OF OIL, GAS & MINING

BLM BOND = C01203
BIA BOND = RLB0005239

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

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

| | |
|--|----------------------------------|
| Name (Printed/Typed) RANDY BAYNE | Title DRILLING MANAGER |
| Signature <i>Randy Bayne</i> | Date May 9, 2006 |

THIS SPACE FOR FEDERAL OR STATE USE

| | | |
|---|--------|------|
| Approved by | Title | Date |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office | |

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal |
| | | | <input type="checkbox"/> Water Shut-Off |
| | | | <input type="checkbox"/> Well Integrity |
| | | | <input checked="" type="checkbox"/> Other CHANGE OF OPERATOR |

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EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)

BRAD LANEY

Signature

Title

ENGINEERING SPECIALIST

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Brad Laney

Title

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.