

17-5820

Very clear white, go fast  
Dred

Sec 24-NE NESW 215-23E

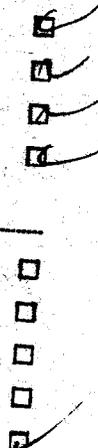
Cases

P&A 2/11/58 OK

4" MKR OK Dred-Oil Flow

Bob Marlowe, Drlg Foreman

- 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



Hite U.S. G.S. Has G R/N 109

# FILE NOTATIONS

Entered in NID File ✓  
 Entered on S R Sheet ✓  
 Location Map Filed ✓  
 Card Indexed ✓  
 IWR for State or Fee Land \_\_\_\_\_

Checked by Chief \_\_\_\_\_  
 Copy NID to Field Office \_\_\_\_\_  
 Approval Letter ✓  
 Disapproval Letter \_\_\_\_\_

## COMPLETION DATA:

Date Well Completed 12-13-55  
9-5-58  
 OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_  
 GW \_\_\_\_\_ OS \_\_\_\_\_ PA ✓

Location Inspected 9-5-58  
CAH  
 Bond released \_\_\_\_\_  
 State of Fee Land \_\_\_\_\_

## LOGS FILED

Driller's Log ✓  
 Electric Logs (No. 1) \_\_\_\_\_  
 EE \_\_\_\_\_ LI \_\_\_\_\_ BEL \_\_\_\_\_  
 Leti \_\_\_\_\_ MIL \_\_\_\_\_

GRR \_\_\_\_\_ GRN \_\_\_\_\_ Micro \_\_\_\_\_  
 Sols \_\_\_\_\_ Sols \_\_\_\_\_

Others Radioactivity

# EASTMAN HATCH & COMPANY

INCORPORATED

## INSURANCE

610 CONTINENTAL BANK BLDG.

### SALT LAKE CITY 1

October 20, 1955

Commissioner H. F. Smart  
Oil and Gas Conservation Commission  
State Capitol Building  
Salt Lake City, Utah

Re: Utah Bond of Lessee, \$5,000.00  
White Canyon Mining Company

Dear Mr. Smart:

In reference to the notice of intention to drill filed with your office by the White Canyon Mining Company through Mr. A. Lee Christensen, on land described as 660 feet from South Line and 660 feet from West Line of the South-West quarter of North-West quarter of section 16, TWP 33,S, R 25 East.

Would you kindly accept this letter that through the Great American Indemnity Company, a Corporation organized and existing under the laws of the State of New York, and authorized to do business in the State of Utah, are executing a bond in the amount of \$5,000.00. The bond will be placed on file with your office within the next few days pending proper signatures on the bond by officers of the White Canyon Mining Company who reside out of Salt Lake City. Therefore, if you will kindly accept this letter that coverage is in full force and effect per the terms of the printed bond form and the Oil and Gas Lease I have which was furnished to us by your office.

Yours very truly,

GREAT AMERICAN INDEMNITY COMPANY

  
By: Leland J. Paxton, Attorney-in-Fact  
811 Continental Bank Building  
Salt Lake City, Utah

STATE OF UTAH  
OIL AND GAS CONSERVATION COMMISSION  
NOTICE OF INTENTION TO DRILL

Oct. 20 19 55

Oil and Gas Conservation Commission:

In compliance with Rule C-4, notice is hereby given that it is our intention to commence the work of drilling well No. 4, which is located 660 ft from (  ) line and 660 ft from (  ) line of SW 1/4 NW 1/4 of Sec 16, Twp 33 S. R. 25 E Salt Lake (Meridian) (Field or Unit)

San Juan  
(County)

LAND: Fee and Patented ( )

Name of Owner White Canyon Mining Co.

State 5424 (X)  
Lease No. \_\_\_\_\_

Address Dove Creek, Colo.

Public Domain... ( )  
Lease No. \_\_\_\_\_

Att. F.A. Sitton Pres.

Phone \_\_\_\_\_

Is Location a ~~spacing~~ or exception to spacing rule? \_\_\_\_\_ Has surety bond been filed? yes

With whom? State \_\_\_\_\_? Area in drilling Unit 14,000 elevation of ground above sea level is 5830 ft. All depth measurements taken from top of Derrick floor (State or Federal) (Derrick Floor, Rotary Table or Kelley Bushing)

which is 10 Ft above ground. Type of tools to be used Rotary

Proposed Drilling depth 6,000 ft. Objective formation Lower Paradox

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight Per Foot	Grade and Type	Amount Ft. In.	Top Bottom	Cementing Depths
10 in.	23 40		390-400 ft.		390-400
7 in.	23		5850-5900		5900 Approx.

REMARKS (use back of form for additional remarks or info)

See Back of Sheet

AFFIDAVIT

I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and belief, True, correct and complete,

Approved Rule C 3(c) Date Oct 20 1955

By A. Lee Christensen

By H. F. Smart

Director, Executive Committee  
(Title or Position)

Title Commissioner

White Canyon Mining Company  
(Company or Operator)

Address 1572 Orchard Drive,  
Salt Lake City, 6, Utah

INSTRUCTIONS:

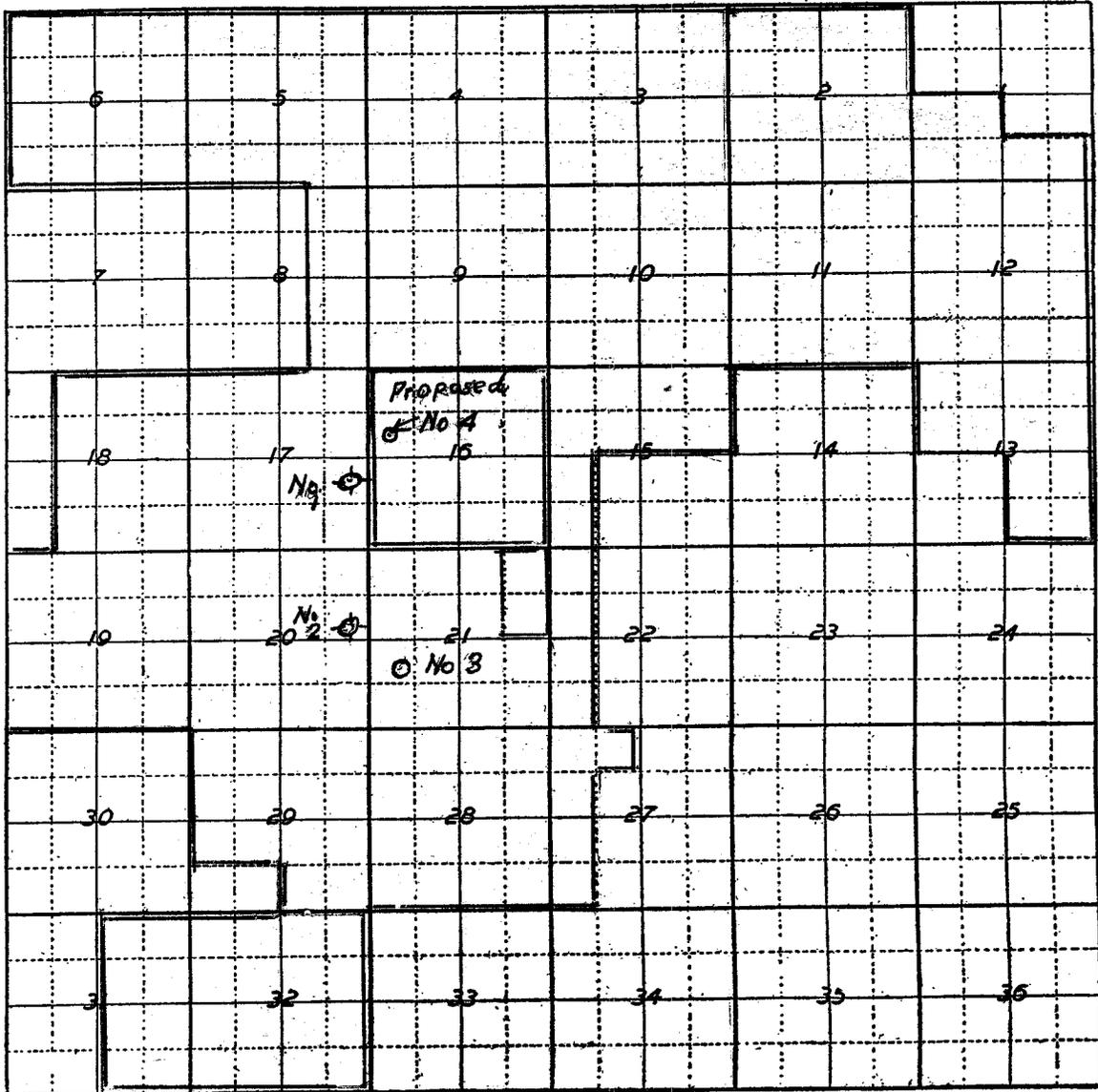
1. Complete this form in Duplicate and mail, both copies to the Oil and Gas Conservation Commission, Rm 105, Capitol Bldg., Salt Lake City 14, Utah.
2. A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells within an area of sufficient size so that the commission may determine whether the location of the well conforms to applicable rules, regulations and orders.
3. Any information required by this form that cannot be furnished at the time said form is submitted must be forwarded to the commission as soon as available.

The proposed well No. 4 is an unorthodox spacing, and differs from the spacing recommended in Rule C-3 of the General Rules and Regulations of the Utah Oil and Gas Conservation Commission. However, its location is determined by geologic reasons primarily, and not by competitive considerations, inasmuch as White Canyon Mining Co. controls the entire area around the proposed well, as can be seen from the accompanying plat.

The nearest well, No. 1, drilled in 1950 by Byrd-Frost, is believed to have produced in the neighborhood of 3 to 5 million cubic ft. of gas from the 5800 ft. horizon in the Paradox formation. This well was killed by over-acidizing in an attempt to further increase the yield. White Canyon Mining Co. moved a rig over No. 1 this fall and attempted to rehabilitate the well. After cleaning it thoroughly, a string of tubing with a packer around it was set above the 5800 ft. level. Very little gas was obtained, even after treatment by the Sand-Frac process. A fair production has been developed by perforating and treating the 5190, 5250, 5580 and 5626 ft. horizons, which were not developed in the original Byrd-Frost well,

The proposed well No. 4 is located approximately 1300 ft. away from No. 1, and is planned primarily for an adequate test of the 5800 ft. horizon, which had been the big producer in No. 1, but which was ruined by over-acidizing. Altho a move further east might be dictated by teoretical considerations, the suspected presence of an NW-SE trending fault there makes this inadvisable. The area is also but by some deep ravines which would greatly increase the set-up and drilling expense. After the productivity of the 5800 ft. horizon is definitely established with a producing well, the spacing of additional wells can then be determined on the basis of the drill cores and formation samples taken and the additional information developed.

San Juan **County.**  
**Township No.** 33 S. **Range No.** 25 E. Salt Lake **Meridian.**



Township 33 South Range 25 East Salt Lake Meridian

SCALE 5280 FEET TO AN INCH

**GEOLOGIC COMPLETION REPORT**

**WHITE CANYON MINING COMPANY  
No. 4 Sitten**

**Monticello Dome Area  
San Juan County, Utah**

**By: R. E. Lauth  
Consulting Geologist  
Durango, Colorado  
December 20, 1955**

ROBERT E. LAUTH

Consulting Geologist

GEOLOGIC COMPLETION REPORT

WHITE CANYON MINING COMPANY  
No. 4 Sitton

Monticello Dome Area  
San Juan County, Utah

WELL DATA

Rotary: Surface to total depth.

Spud date: September 24, 1955.

Date drilling completed: December 13, 1955.

Date temporarily abandoned: December 14, 1955.

Initial Production: None

Surface casing: 333 feet of 10 3/4", cemented with 200  
sacks.

Contractor: Great Western Drilling Company  
Midland, Texas.

Location: SW, NW, Sec. 16, T33S., R25E.  
(660' FWL & 1980' FWL).

Elevation: 6791' ground  
6800' derrick floor.

Total depth: 6070' driller  
6083' Welox.

DISCUSSION

The purpose of this report is to present geological information and basic data concerning the White Canyon Mining Company, Sitton No. 4 well located in SW NW, Sec. 16, T33S., R25E., San Juan County, Utah.

The writer arrived at the well location when the hole was at a depth of 5180 feet, and was present continuously until a total depth of 6070 feet was reached.

Microscopic examination of the cuttings from 4400 to 5180 feet were made prior to arriving at the well. From 5180 to 6070 feet, microscopic examination was made during drilling operations, and an ultra-violet lamp was used to detect possible productive horizons. Cores were taken of all possible gas or oil zones. Analyses were made of these cores by a qualified engineering laboratory. Drill stem tests were made in productive zones when cuttings and core analysis warranted such tests. Cuttings were circulated whenever drilling time indicated lithologic change in proximity of possible productive horizons and prior to coring. A Geolograph was used during all drilling and coring operations to record the rate of penetration.

A Welox Gamma-neutron log from surface to total depth was made upon completion of drilling. Detail Gamma-neutron and Multiple space neutron logs were made from 4000 feet to total depth.

Final formation tops have been adjusted and picked from Gamma-neutron curves related to cuttings examination and stratigraphic correlations.

There is a discrepancy between the driller's measurements and Welox's Gamma-neutron log measurement of ten feet.

In the following discussions corrections have been made to Welox's Gamma-neutron log. The sample description, core record, and drill stem test depth measurement were left

with the driller's measurement.

Table Showing Comparison of Various Gas Zones  
in the No. 1 Sitten to the No. 4 Sitten

No. 1 Sitten	No. 4 Sitten
Sand 5190 - 5200, small amount of gas.	Missing; slight sand development 5173 - 5176 but very shaly and tight.
Limestone 5236 - 5260, small amount of gas.	Cored; occurred 5212 - 5252, extremely low porosity, zero permeability.
Sand 5582 - 5592, DST, gas to surface in 29 minutes, shut in pressure 640 psi.	Cored; occurred 5567 - 5578, multiple vertical fractures DST, gas to surface in 10 minutes, Estimated amount 10 MCF per day PP 50psi, shut in pressure(30 min.) 825 psi.
Limestone 5636 - 5646, small amount of gas.	Cored; occurred 5623 - 5633, dolomite, calcareous, shaly no shows, extremely low porosity, no permeability.
Limestone 5656 - 5666, small amount of gas.	Occurred 5643 - 5653, limestone, dolomitic and shaly, no shows, extremely low porosity, no permeability.
Limestone 5686 - 5696, small amount of gas.	Occurred 5674 - 5684, shale, black dolomitic, no shows.
Limestone 5704 - 5714, small amount of gas.	Occurred 5692 - 5702, limestone, dolomitic, cherty, extremely low porosity, no permeability, no shows.
Paradox "A" zone pay 5806 - 16, main gas pay zone.	Suggestion of porosity development 5800 - 5804 and 5811 - 5814, porosity by core analysis, extremely low; zero permeability. Porosity destroyed by secondary calcite and anhydrite crystals.
Paradox "B" zone 5912 - 5958, cored, no shows.	Occurred 5900 - 5954, show of gas and distillate 5900 - 5907, limestone, shaly, hard and tight. Good limestone

development 5939 - 5149, low porosity and permeability. A drill stem test of this zone recovered 50 feet of oil and gas cut mud. Flow pressure 40 psi, shut-in pressure (30 min.) 70 psi.

#### FORMATION TOPS

Formation	Depth	Elevation	Thickness
Dakota	Surface	/6791	239'
Morrison	238	/6562	447'
Summerville	695	/6115	212'
Curtis	897	/5903	103'
Entrada	1000	/5800	203'
Carmel	1203	/5597	39'
Navajo	1242	/5558	291'
Kayenta	1533	/5267	69'
Wingate	1602	/5198	434'
Chinle	2036	/4764	516'
Shinarump	2552	/4248	88'
Moenkopi	2640	/4160	65'
Cutler	2705	/4095	1062'
Rico	3767	/3033	669'
Hermosa (Upper Memb.)	4436	/2364	1128'
Upper Paradox Memb.	5564	/1236	504'
Paradox "A" zone	5770	/1030	64'
Paradox "B" zone	5900	/900	54'
Paradox "C" zone	6016	/784	52'
Middle Paradox Memb. (Salt)	6068	/732	-

## STRATIGRAPHY

Attached to this report is the sample description made by the writer from 10 foot samples for the interval 4400 feet to total depth 6070 feet.

The lithology from this interval is summarized in the following paragraphs.

### Pennsylvanian

Hermosa formation (Upper member) 4436 - 5564

The upper part of this member contains thin to fairly massive beds of limestone interbedded with fine to very coarse grained arkosic sandstones. The lower part is predominately white to dark gray, dense to medium crystalline limestones interbedded with thin fine grained sands and very dark gray calcareous shales.

Two pronounced zones of abnormal radioactivity are noted on the gamma ray log from 4552 - 4557 and from 4770 - 4774. These pronounced radioactive zones are not present in the No. 1 Sitten. The lower radioactive zone is present in the No. 2 Sitten from 4791 - 4794. Both zones occur in the No. 3 Sitten from 4574 - 4579 and from 4774 - 4777 feet. In these wells neither radioactive zone is as pronounced as in the No. 4 Sitten.

Upper Paradox Member 5564 - 6068

The top of the Upper Paradox member was picked on the first fairly massive black shale bed. Directly below this shale is an eleven foot bed of sandstone (5567 - 5578) poorly sorted, angular, micaceous, glauconitic, and slightly arkosic which gave up gas on a drill stem test. It is

believed that the gas was coming from vertical fractures which was exhibited when this zone was cored.

The upper part of the Upper Paradox member consists principally of massive beds of dolomitic limestones which are occasionally anhydritic separated by thin black calcareous shale beds. Some zones of white crystalline anhydrite are present.

In the lower part of the Upper Paradox member, three zones of limestone and/or anhydrite, each separated by a black calcareous shale are apparent. These limestone and/or anhydrite zones have been designated in descending order as the "A" zone, "B" zone, and the "C" zone.

"A" zone 5770 - 5834 is composed predominately of dark gray to tan, dense to medium crystalline limestones and dolomites. This zone is the main gas pay in the No. 1 and No. 2 Sitton wells. This well had an excellent limestone development, but the porosity was destroyed by the growth of secondary calcite and anhydrite crystals. Suggestion of porosity occurred from 5800 - 5804 and from 5811 - 5814. Neither was commercial. This zone is separated from the underlying "B" zone by 66 feet of black calcareous shale.

"B" zone 5900 - 5954 is composed essentially of brown to tan calcareous dolomites and white crystalline anhydrites separated by thin beds of black very calcareous shale. A shaly, very tight and sandy dolomite bed from 5900 - 5905 had a good gas distillate odor. Also from 5939 - 5949 a tan, crystalline, calcareous and fossiliferous

dolomite occurred which bubbled gas from the cores. Both of these zones were drill stem tested. Recovery on the drill stem test was 50 feet of oil and gas cut mud. Core analysis verified the hard and tight nature of this zone. It is significant that the "B" zone had some oil and gas showings in this well. No shows in this zone occurred in the No. 1 Sitten. Between this zone and the underlying "C" zone is 62 feet of black calcareous shale.

"C" zone 6016 - 6068 is composed predominately of silty dolomites and white crystalline anhydrites and gypsum separated by thin beds of black shale. No shows of oil or gas was noted in this zone. Gulf Oil Corporation's No. 1 Coalbed Canyon discovery well located 12½ miles south of the No. 4 Sitten and on the south flank of the Monticello Dome is completed in this zone. It appears that the No. 4 Sitten is not located far enough down on the flank of this structure for this pay horizon to be developed.

Middle Paradox member (Salt) 6068 -

The top of the Middle Paradox member was picked on the first appearance of salt. Twelve feet was penetrated by the bit.

#### CORRELATION

Formation	White Canyon No. 4 Sitten	White Canyon No. 1 Sitten	White Canyon No. 2 Sitten	White Canyon No. 3 Sitten
Hermosa				
U. Paradox	#2364	#2376	#2372	#2423
"A" zone	#1236	#1245	#1262	#1324
	#1030	#1043	#1053	#1123
"B" zone	#900	#910	did not penet-	#984
"C" zone	#784	#793	rate the "B"	#871
M. Paradox			& "C" zones.	
(Salt)	#732	#741	est. #758	#820

## CONCLUSIONS

This test is considered to have adequately tested all the formations penetrated. The main gas pay zone in the No. 1 and No. 2 Sitten was present, but secondary calcite and anhydrite crystals destroyed its porosity and its ability to produce. On this zone the No. 4 Sitten was 13 feet lower structurally than the No. 1 Sitten.

The "B" zone in the No. 4 Sitten was better developed than that zone in the No. 1 Sitten. Also it had a showing of gas and distillate but was too tight to produce.

The "C" zone was similar in lithology in this test to that zone in the No. 1 Sitten. No shows were encountered.

It is still believed that flank locations off this structure will result in commercial wells in each or all three of these zones.

Information obtained from this test regarding limestone development, primary porosity and secondary porosity should be utilized in making the location for another test well.

The first Paradox sand, which gave up gas on the drill stem test, appears to be a widely deposited sand. It was present in the Nos. 1, 2, 3, and 4 Sitten.

The fact that this well was dry in the main gas pay or "A" zone in no way condemns any surrounding acreage.

Secondary crystals which destroyed the porosity are erratic in occurrence, being deposited by circulating solutions.

Respectfully submitted,

*R. E. Lauth*

ROBERT E. LAUTH

### SAMPLE DESCRIPTION

White Canyon Mining Co., Sitton No. 4  
 SWNW Sec. 16, T33S., R25E., Elev. 6800 df  
 San Juan County, Utah

4400 - 20	Sample missing.
20 - 30	80 siltstone, brick-red and light green, micaceous, some loose subangular, medium grained sand grains. 10 limestone, white, very dense, finely arenaceous, 10 shale, red, gray, and green.
30 - 40	80 siltstone ditto( 10 loose sand ), 20 limestone, ditto becoming finely granular. Trace of pyrite.
40 - 50	Sample ditto, limestone becoming gray crystalline.
50 - 60	40 sand, red, very fine to fine grained. 30 siltstone, red, and green, micaceous. 20 shale, brick red and light green, slightly sandy. 10 limestone, dense gray and green.
60 - 70	Sample ditto.
4470 - 4530	Sample missing.
4530 - 4540	40 sand, loose, coarse to fine grained subround to angular, some quartz crystals, reddish. 50 shale and siltstone, brick red and green. 10 limestone gray and green dense.
40 - 50	70 sand, ditto, 30 shale ditto. Trace of red, green, and gray dense limestone.
50 - 60	90 sand ditto, 10 shale ditto.
60 - 70	Sample ditto.
70 - 80	100 sand, reddish to clear, round, well sorted, mostly fine grained.
80 - 90	40 sand, ditto. 50 shale, brick-red to light-red, in part finely arenaceous. 10 limestone, white, finely crystalline with iron stains.
90 - 4600	100 shale ditto, some green, trace of limestone.
4600 - 10	80 arkose, quartz grains, micaceous, very much calcareous cement. 10 shale, ditto. 10 limestone, dark gray to light gray, dense to finely crystalline.
10 - 20	80 arkose ditto, 10 shale ditto, 10 limestone ditto, becoming medium crystalline.
20 - 30	30 arkose ditto, 20 shale ditto, 50 sand, clear to reddish, fine to coarse grained, subround to round. Trace of limestone and black shale.
30 - 40	80 arkose ditto becoming finer in grain size, very calcareous. 10 shale ditto. 10 limestone, gray, medium to fine crystalline, some red and white in color.

40 - 50	30 arkose ditto, 40 sand, clear to reddish, fine to coarse grained, subround to round. 10 shale ditto. 10 limestone, dark gray, crystalline.
4650 - 4770	Sample missing.
4770 - 4780	80 limestone, white fine crystalline.
80 - 90	20 shale, black sandy and calcareous. 60 limestone ditto. 10 shale ditto. 30 sand ditto.
90 - 4800	80 limestone ditto. 10 sand loose ditto. 10 shale ditto.
4800 - 10	70 limestone, tan to light gray and dark gray, crystalline. Trace of porosity, sandy in part. 20 sand loose ditto. 10 shale, black and red. Trace of pyrite.
10 - 20	40 limestone ditto, much white dense to crystalline, platy. 50 sand loose ditto. 10 shale black calcareous, grainy.
20 - 30	40 limestone ditto becoming chalky. 10 sand loose ditto. 50 shale red waxy with quartz inclusions, some black shale.
30 - 60	Sample missing.
60 - 70	80 limestone dense white. 15 shale reddish brown, granular. 5 sand loose ditto.
70 - 80	80 limestone ditto. 20 shale ditto.
80 - 90	20 limestone ditto. 20 arkose quartz grains angular, calcareous cement. 60 shale red brown and brown with quartz inclusions.
90 - 4900	20 limestone white ditto. 30 arkose finer grain, shaly. 40 shale ditto micaceous and very granular. 10 sand white fine grain.
4900 - 10	10 limestone dark gray crystalline. 30 sandstone fine to coarse grained, sub-round to round, loose. 60 shale red and black, arenaceous granular.
10 - 20	10 limestone ditto, dense. 40 sand and arkose, calcareous cement. 50 shale red, brown, and black. 70 limestone ditto
20 - 30	70 limestone ditto, mostly dark gray, in part very shaly and black. 10 sandstone and arkose ditto. 20 shale ditto.
30 - 40	80 limestone tan and light gray, trace of porosity, no fluor. 20 shale ditto.
40 - 50	80 limestone ditto some dark gray. 20 shale green, red, and black, calcareous and micaceous.
50 - 60	70 limestone ditto. 25 shale ditto. 5 sand ditto.
60 - 70	50 limestone ditto. 40 shale black calcareous, grainy. 10 sand, slightly arkosic and micaceous.
70 - 80	90 limestone tan and light gray, crystalline. 10 shale ditto, some red and waxy.

80 - 90	50 limestone ditto. 50 shale black, calcareous.
90 - 5000	50 limestone ditto. 50 shale ditto.
5000 - 10	80 limestone light and dark gray, predominately dark gray, crystalline, slightly shaly. 20 shale ditto.
10 - 20	50 limestone light gray crystalline. 50 shale ditto, trace of green micaceous.
20 - 30	70 limestone ditto, dense to finely crystalline. 30 shale ditto.
30 - 40	80 limestone ditto. 20 shale ditto. Trace of sand medium grain subangular, clear.
40 - 50	50 limestone ditto. 30 sandstone clear and light green, arkosic in part. 20 shale ditto.
50 - 60	60 limestone light and dark gray crystalline, predominately dark gray. 10 sandstone ditto. 30 shale black, calcareous and sandy.
60 - 70	70 limestone light and dark gray predom. light gray, fossiliferous (Brachiopods). 10 sand and arkose. 20 shale ditto.
70 - 80	70 limestone light and dark gray predom. dark gray. 20 sand white, fine to coarse grained, consol. and loose. 10 shale ditto.
80 - 90	Sample ditto.
90 - 5100	50 limestone light and dark gray. 30 sand very fine to medium grained, loosely consol. 20 shale ditto.
5100 - 10	80 limestone ditto, crystalline to granular, shaly. 10 sand fine grained, loose. 10 shale black and red.
10 - 20	80 limestone ditto. 10 sand ditto. 10 shale black.
20 - 30	30 limestone ditto. 20 sand ditto. 50 shale black granular, micaceous and some red waxy.
30 - 40	20 limestone ditto, dense. 10 sand ditto, very fine grained, loose. 70 shale black, calcareous, pyritic, sandy in part, some brown and red.
40 - 50	10 limestone ditto. 10 sand ditto. 80 shale ditto black.
50 - 60	30 limestone light and dark gray, dense. 10 sand loose, fine grained ditto. 60 shale ditto.
60 - 70	30 limestone dark gray, dense to crystalline. 10 sand very fine grained, loose. 60 shale black, much brown red shale.
70 - 80	20 limestone light gray, dense to finely crystalline. 10 sand loosely consol. medium to fine grained, angular to round. 70 shale dark gray and black, calcareous, micaceous.
5180 - 5202	See core #1.
5202 - 5220	See core #2.
5220 - 5239	See core #3.
5239 - 5266	See core #4.

5266 - 80 20 limestone light and dark gray, crystalline. 50 sand clear to dirty gray, loosely consol., calcareous clay cement, glaucomitic, micaceous, arkosic, no shows. 30 shale dark gray to black, calcareous, granular.

80 - 90 20 limestone dark gray, dense to finely crystalline. 70 sand ditto, no show. 10 shale ditto.

90 - 5300 90 limestone tan, finely crystalline to dense. 5 sand ditto. 5 shale ditto.

5300 - 10 80 limestone tan to light gray, dense to medium crystalline, sandy, oolitic. 20 sand clear fine grained, consol., micaceous in part, no shows.

10 - 20 90 limestone ditto. 10 sand ditto.

20 - 30 80 limestone ditto, oolitic. 20 sand ditto.

30 - 40 100 limestone tan to light gray, dense to medium gray crystalline, sucrosic.

40 - 50 100 limestone ditto, trace of oolitic limestone.

50 - 60 100 limestone ditto, very much tan to white oolitic limestone.

60 - 70 100 limestone ditto, granular.

70 - 80 100 limestone ditto. Trace of black calcareous shale.

80 - 90 100 limestone tan finely arenaceous. Trace black shale.

90 - 5400 80 limestone dark gray, very dense, finely crystalline. 20 chert dark gray. Trace of black shale.

5400 - 10 Sample ditto.

10 - 20 Sample ditto. Trace of sand, loosely consol., medium grained, angular, arkosic.

20 - 30 100 limestone ditto becoming very shaly, fossiliferous (crinoid).

30 - 40 100 limestone ditto, less chert.

40 - 50 70 limestone ditto. 20 sand clear to reddish fine grained, round, loose. 10 shale red, waxy to silty.

50 - 60 60 limestone ditto. 30 sand clear to reddish, very fine to medium grained, a few frosted coarse round grains, loosely cemented. 10 shale red ditto.

60 - 70 100 dolomite dark gray, finely crystalline, finely micaceous, slightly arenaceous, slightly calcareous. Trace of sand.

70 - 80 100 dolomite ditto, finely arenaceous. Trace of sand clear medium to coarse grained, loosely consol.

80 - 90 60 dolomite ditto. 30 sand clear to reddish, medium grained, round, loose. 10 shale, red, finely arenaceous

90 - 95	80 dolomite ditto, crinoids stems evident. 20 shale jet black.
95 - 5500	50 dolomite ditto. 40 shale ditto. 10 sand fine grained, round, loose.
5500 - 10	50 dolomite ditto. 30 limestone tan to light gray, crinoidal, sucrosic, medium crystalline. 10 sand reddish fine grained, round, loose. 10 shale black.
10 - 20	70 dolomite dark gray, crystalline, very cherty. 20 limestone ditto. 10 shale ditto, granular.
20 - 30	30 dolomite ditto. 50 limestone ditto, in part sandy. 10 sand clear fine grained, consol. 10 shale black.
30 - 38	70 dolomite ditto, cherty. 20 limestone ditto sandy. 10 sand ditto, loose. Trace of black calcareous shale.
5538 - 5564	See core #5.
5564 - 5572	See core #6.
5572 - 80	100 sand white, fine to medium grained, glauconitic, micaceous, slightly calcareous cement, chloritic, well consol., no shows.
80 - 90	70 sand ditto. 30 shale black, calcareous, granular.
90 - 5600	50 sand ditto. 20 limestone medium gray, granular, dense. 30 shale ditto.
5600 - 05	100 limestone white to dark gray, finely crystalline, sucrosic, no shows.
5606 - 5628	See core #7.
5628 - 40	100 limestone dark gray, finely crystalline, dense, shaly (10 light gray, finely arenaceous).
40 - 50	Sample ditto becoming cherty, no shows. Trace of gypsum, sand fine grained, round, consol.
50 - 60	Sample ditto becoming very shaly, very cherty and anhydritic.
60 - 70	50 limestone dark to light gray, crystalline, cherty, pyritic. 50 shale dark gray, dolomitic, granular, cherty. Some anhy- drite.
70 - 80	100 limestone medium gray, finely crystalline to dense, some chert and anhydrite, fossiliferous, no shows.
80 - 85	80 limestone ditto. 20 shale black, cal- careous, granular.
85 - 90	90 limestone white to light gray, medium crystalline to sucrosic, no shows. 10 anhydrite and gypsum.
90 - 5700	100 limestone ditto, cherty, no shows. Trace of gypsum.
5700 - 10	100 limestone ditto. Trace of black granular shale.
10 - 20	90 limestone ditto, mostly medium gray. 10 black shale.
20 - 30	90 limestone ditto. 10 shale ditto.

30 - 40	30 limestone dark gray, shaly, anhydritic. 70 shale black, calcareous, granular.
40 - 50	100 shale black, calcareous, granular. Trace of anhydrite and gypsum.
5751 - 5797	See core #8.
5798 - 5837	See core #9.
5837 - 5850	100 shale black, calcareous, granular, fossiliferous.
50 - 60	100 shale ditto.
60 - 70	Sample ditto.
70 - 80	90 shale ditto. 10 anhydrite white, crystalline. Trace of limestone, sandy.
80 - 85	100 shale black, calcareous, granular, bubbling gas. Trace of anhydrite and sandy limestone.
85 - 90	85 shale ditto, bubbling gas. 5 limestone white, sandy. 10 anhydrite and gypsum. Trace of pyrite.
90 - 95	100 shale ditto, bubbling gas. Trace of anhydrite and limestone.
95 - 99	50 shale ditto, bubbling gas. 50 dolomite tan, very sucrosic. Drilling break at 5889, maintained to 5893. Circulation sample at 5900 had a distillate odor with a very faint white to light yellow fluorescence and cut.
99 - 5905	100 dolomite white with a light tan stain, sandy, granular, medium grained, excellent distillate odor with a very faint white to light yellow cut-difficult to see.
5905 - 5945	See core #10.
5945 - 55	40 dolomite tan to gray, granular to crystalline, trace of porosity. 60 shale black, calcareous, granular.
55 - 65	10 dolomite ditto. 90 shale ditto.
65 - 75	100 shale ditto. Trace of tan crystalline to sucrosic dolomite with slight porosity.
75 - 85	100 shale ditto. Trace of anhydrite and pyrite.
85 - 95	100 shale ditto, slight distillate odor, no fluorescence or cut.
95 - 6000	100 shale ditto, excellent distillate odor, no fluorescence or cut, bubbling gas.
6000 - 05	100 shale ditto, bubbling gas, distillate odor. Trace of limestone, porous.
05 - 10	100 shale ditto, distillate odor, bubbling gas, faint oily scum on pits, no fluore- cence or cut.
6010	Circulation sample. 70 dolomite tan to gray, calcareous, very sandy, in part silty, in part sucrosic, no shows. 20 shale ditto, bubbling gas. Trace of anhydrite white, crystalline and limestone white crystalline.
10 - 20	100 dolomite ditto, very sandy, no shows.

20 - 30	40 dolomite ditto, sandy silty. 60 gypsum white, crystalline, soft. Drilling break from 6013 to 17 was probably gypsum.
30 - 35	100 gypsum ditto. Trace of limestone.
6035 - 40	80 dolomite dark gray to black, very silty and very shaly, no shows. 20 gypsum ditto.
40 - 45	100 limestone gray to tan, very dolomitic, dense, finely crystalline, shaly and silty, no shows.
45 - 50	60 limestone ditto, no shows. 20 shale black, calcareous. 20 anhydrite and gypsum. Drilling break to two minutes per foot at 6047, could be all gypsum.
50 - 55	30 limestone dark gray, crystalline. 50 siltstone tan, very calcareous. 20 gypsum. Could be all gypsum and going into solution in the mud.
55 - 58	20 limestone ditto. 50 siltstone ditto.
58 - 70	30 shale black, calcareous, granular. 100 salt, crystalline.

Rotary TD 6070 feet.

## CORE DESCRIPTION

White Canyon Mining Co., Sitton No. 4  
SWNW Sec. 16, T33S., R25E., Elev. 6800 df  
San Juan County, Utah

Core No. 1 (Hermosa) 5180 - 5202 Recovered 22 feet  
Coring time, minutes per foot. 14, 20, 18, 23, 18,  
17, 16, 17, 15, 19, 23, 17, 15, 18, 20, 15, 20, 40,  
30, 90, 64, 47.

Vertical fracture, entire length of core.

- 7' Shale, dark gray to black, hard, micaceous,  
finely arenaceous, and slightly calcareous.
- 3' Shale, dark brown, hard, intermixed with black  
crystalline dolomitic limestone.
- 10' Shale, black, very calcareous, granular, very  
micaceous, hard, sandy in lower part.
- 2' Shale black, sandy, very calcareous, soft.

Core No. 2 (Hermosa) 5202 - 5220 Recovered 18 feet.  
Coring time, minutes per foot. 4, 28, 15, 15, 15,  
15, 12, 8, 10, 12, 7, 13, 18, 10, 11, 21, 24, 34.  
Core was highly fractured.

- 5' Limestone, dark gray, dolomitic, dense, slightly  
shaly, very slight intercrystalline  
porosity, finely micaceous, sulfurous  
odor.
- 12' Limestone, light to medium dark gray, dolomitic,  
oolitic, very slight porosity, some  
selenite and calcite crystals and  
very fine clear sand grains - brachio-  
pods, sulfurous odor.
- 1' Chalk, very soft light gray with clear coarse  
sand grains intermixed.

Core No. 3 (Hermosa) 5220 - 5239 Recovered 19 feet  
Coring time, minutes per foot. 35, 15, 23, 23, 26,  
37, 31, 37, 40, 33, 34, 38, 36, 38, 36, 22, 36, 27, 38.

- 1' Limestone, light gray, crystalline, very oolitic  
and fossiliferous (Brachiopods -  
Spirifer).
- 15' Limestone, dark gray, finely micaceous, dense to  
very finely crystalline, some anhydrite  
crystals, shaly in streaks, hard and  
tight.
- 3' Limestone, dark to medium gray, oolitic, finely  
crystalline, hard very slight porosity.

Core No. 4 (Hermosa) 5239 - 5266 Recovered 27 feet  
Coring time, minutes per foot. 47, 35, 50, 38, 37, 45,  
49, 53, 54, 60, 54, 58, 56, 54, 55, 51, 49, 48, 50, 40,  
28, 27, 30, 28, 28, 18.

Some vertical fractures.

- 3' Limestone, medium gray, very oolitic and fossiliferous, crystalline, bubbling, sulfurous odor, no fluorescence or cut.
- 22' Shale, black, granular, micaceous and dolomitic.
- 2' Limestone, black, shaly, crystalline, very sandy in lower foot, very fossiliferous, no shows.

Core No. 5 (Upper Paradox) 5538 - 5564 Recovered 26 feet

Coring time, minutes per foot. 40, 38, 55, 39, 40, 43, 38, 35, 32, 35, 34, 36, 31, 38, 47, 40, 20, 11, 15, 10, 10, 7, 7, 9, 10, barrel jammed on last foot.

- 14' Shale, black, very calcareous and very fossiliferous in lower part (brachiopods and crinoids stem).
- 2' Sandstone, gray, very fine grained, very calcareous cement, micaceous, multiple vertical fracture, good sweet gas odor.
- 10' Sandstone, gray, fine to medium grained, angular to subround, micaceous, glauconitic, arkosic, calcareous cement, multiple vertical fractures, good sweet gas odor.

Core No. 6 (Upper Paradox) 5564 - 5572 Recovered 5½ feet

Coring time, minutes per foot. 6, 12, 25, 25, 28, 22, 21, 26.

- 1' Sandstone, white, fine to medium grained, glauconitic, micaceous, slight calcareous cement, faint sweet gas odor on fresh break, medium hard, very faint light yellow fluorescence, no cut.
- 4½' Sandstone, ditto, very micaceous and chloritic in streaks and layers, hard and tight, no shows.

Core No. 7 (Upper Paradox) 5606 - 5628 Recovered 22 feet

Coring time, minutes per foot. 38, 40, 38, 31, 25, 38, 39, 36, 37, 28, 42, 45, 48, 35, 39, 38, 55, 44, 69, 39, 34, 38.

Vertical fractures (5610 - 16 and 5621 - 28).

- 2½' Limestone, white, finely crystalline, finely arenaceous, few small streaks of fine pyrite, no shows.
- 19½' Dolomite, dark gray, calcareous, very dense to very finely crystalline, argillaceous and siliceous, no shows.

Core No. 8 5751 - 5797 ("A" zone) Recovered 42 feet

Coring time, minutes per foot. No time, 12, 16, 13, 18, 16, 15, 13, 17, 13, 16, 15, 11, 9, 11, 15, 35, 35, 10, 10, 12, 18, 18, 14, 17, 11, 15, 15, 14, 17,

- 21, 18, 20, 23, 18, 19, 15, 27, 30, 31, 30, 29, 22, 33,  
45, 51.
- 13' Shale, black calcareous, anhydritic with sulfurous odor. 3 of the 4 feet lost probably belongs with this shale (reason similar drilling time).
- 2' Limestone, dark gray, very dense, intercalated with white crystalline anhydrite.
- 3' Anhydrite, white, crystalline, in part intercalated with brown dense limestone.
- 8' Limestone, dark gray to brown, dense, interbedded with streaks of black shale.
- 8' Limestone, tan, crystalline, fossil corals visible, very slight sulfurous odor, no shows. Top portion intermixed with white crystalline anhydrite. Vertical fracture.
- 6' Limestone, tan, finely crystalline, hard and dense, sulfurous odor, some black carbonaceous to asphaltic residue, vertical fracture, no shows.
- 2' Dolomite, tan to brown, calcareous, very dense, intermixed with white crystalline anhydrite, no shows.

Core No. 9 5798 - 5837 ("A" zone) Recovered 39 feet  
Coring time, minutes per foot. 31, 29, 25, 27, 18,  
22, 20, 20, 15, 14, 21, 28, 26, 25, 19, 17, 18, 19,  
19, 19, 18, 18, 20, 20, 18, 20, 26, 29, 37, 35, 35,  
20, 18, 29, 21, 33, 33, 41, 54.

- 27½' Dolomite, tan, calcareous, medium crystalline to granular in part sacrosic, secondary calcite and anhydrite crystals in the original pore space. From 5805 to 5808, fair visible porosity and faint white to light yellow fluorescence, bubbling slightly at the bottom.
- 2' Dolomite brown and shale black intermixed.
- 9½' Shale, black, calcareous, granular, fossiliferous, bubbling gas.

Core No. 10 5905 - 5945 ("B" zone) Recovered 39 feet  
Coring time, minutes per foot. 42, 43, 33, 29, 37,  
32, 20, 20, 17, 22, 20, 19, 26, 35, 40, 35, 33, 35,  
31, 37, 35, 34, 32, 36, 29, 28, 15, 25, 23, 22, 18,  
15, 15, 20, 15, 20, 20, 20, 20.

- 5' Shale, black, granular, dolomitic, intermixed in part with white crystalline anhydrite.
- 8' Anhydrite, light gray to white, crystalline, thin small streaks of brown sandy dolomite.
- 9' Shale, black, very dolomitic, many forams, vertical fracture.

- 3' Dolomite, dark brown to tan, crystalline, fossiliferous (Brachiopods) sandy, in part solution etched and coated with a black carbonaceous or asphaltic shale, bubbling gas.
- 11' Dolomite, tan, calcareous, crystalline to sandy, slight to fair visible porosity, intercalated in part with anhydrite and calcite crystals, bubbling gas, has a very faint white to light yellow cut.
- 4' Dolomite, gray to tan, crystalline to sandy, shaly, solution etched, bubbling gas, vertical fracture with calcite filling along fracture.

DRILL STEM TEST RECORD

White Canyon Mining Co., Sitton No. 4  
SWNW Sec. 16, T33S., R25E., Elev. 6800 ft  
San Juan County, Utah

DST No. 1 5550 - 5572 (First Paradox sand)  
Open 2 hours, gas to surface in 10 minutes.  
Maximum surface pressure 2psi. Estimated  
amount of gas 10,000 cubic feet per day.  
Recovered 95 feet of gas cut mud, no water.  
Initial hydrostatic pressure 2675 psi.  
Final hydrostatic pressure 2600 psi.  
Initial flow pressure 50 psi.  
Final flow pressure 50 psi.  
Final shut-in pressure (30 minutes) 925 psi.  
Burned in mud pit for 110 minutes with a good  
rich flame 4 to 5 feet in length.

DST No. 2 5885 - 5945 ("B" zone of Paradox)  
Open 2 hours, fair to slight blow of air/.  
Recovered 50' oil and gas cut mud  
Initial hydrostatic pressure 2680 pse.  
Final hydrostatic pressure 2680 pse.  
Initial flow pressure 40 psi.  
Final flow pressure 40 psi.  
Final shut-in pressure (30 minutes) 70 psi.  
Bottom hole temperature 132°F.  
Zone was too tight to give up more than a  
show of oil and gas.

STATE OF UTAH  
OIL AND GAS CONSERVATION COMMISSION  
LOG OF OIL OR GAS WELL

White Canyon Mining Co.  
Well No. 4 Sitten, which is located 3300 ft from (N/S) line and 660 ft from (E/W)  
line of Sec. 16 T43S, R 25E, Wildcat San Juan  
(Meridian) (Field or Unit) (County)

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 as of December 14, 1955 and is to be kept confidential until March 13, 1956 (See Rule C-5).

Drilling operations were (completed) (suspended) (abandoned) on December 14, 1955, 19

Date: 1-7, 1956 Signed: [Signature] Title: [Title]

OIL OR GAS SANDS OR ZONES

No. 1, from 5567 to 5578 Small amount No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ gas on DST No. 4, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS OR ZONES

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size of Hole	Size Casing	Weight per ft	Threads Per Inch	Make	Amount	Kind of shoe	Cut & Pulled from	Perforated from to	Purpose
12 5/8	10 3/4	32.75	8rnd		333				Surface

MUDGING AND CEMENTING RECORD

Size Casing	Where Set	Number Sacks of Cement	Method Used	Mud Gravity	Amount of Mud Used
10 3/4	333	200	Halliburton		

Hole is presently mud filled and a valve is attached to the surface pipe.

TOOLS USED

Cable tools were used from \_\_\_\_\_ to \_\_\_\_\_ and from \_\_\_\_\_ to \_\_\_\_\_  
Rotary tools were used from Surface to 6070 and from \_\_\_\_\_ to \_\_\_\_\_

PRODUCTION

Put to Producing \_\_\_\_\_, 19\_\_\_\_  
OIL WELLS: The production during the first 24 hours was \_\_\_\_\_ barrels of liquid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % was emulsion; \_\_\_\_\_ % was water; and \_\_\_\_\_ % was sediment  
Gravity: \_\_\_\_\_

GAS WELLS: The production during the first 24 hours was \_\_\_\_\_ MCF plus \_\_\_\_\_ barrels of liquid hydrocarbon. Shut in Pressure \_\_\_\_\_ lbs. Length of time shut in \_\_\_\_\_

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
SEE REVERSE SIDE							

HISTORY OF WELL

SEE REVERSE SIDE

( If additional space is needed use back of page or attach separate sheet)

FORMATION TOPS

FORMATION	DEPTH	THICKNESS
DAKOTA	Surface	238
MORRISON	238	447
SUMMERVILLE	685	212
CURTIS	897	103
ENTRADA	1000	203
CARMEL	1203	39
NAVAJO	1242	291
KAYENTA	1533	69
WINGATE	1602	434
CHINLE	2036	516
SHINARUMP	2552	88
MOENKOPI	2640	65
CUTLER	2705	1062
RICO	3767	669
HERMOSA	4436	1128
U. PARADOX	5564	504
M. PARADOX (SALT)	6068	-

DRILL STEM TEST RECORD

DST No 1 5550 to 5572 Open 2 hrs. gas to surface in 10 minutes  
 Estimated amount 10,000 cubic feet per day. Recovered  
 95 feet of gas cut mud IHP 2675#, FHP 2600#  
 IFP 50# FFP 50# FSIP( 30 min. ) 825#

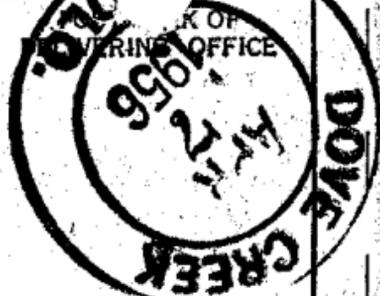
DST No 2 5885 to 5945 Open 2 hrs. Fair to slight blow of air  
 Recovered 50' oil and gas cut mud. IHP 2680#  
 FHP 2680#, IFP 40#, FFP 40#, FSIP( 30 min. ) 70#.

POST OFFICE DEPARTMENT

PENALTY FOR PRIVATE USE TO AVOID  
PAYMENT OF POSTAGE  
(GPO)

OFFICIAL

BUSINESS



*Return to Jack Hill & Sons*

RETURN TO

REGISTERED NO.

020099

NAME OF SENDER

STATE LAND BOARD

CERTIFIED NO.

STREET AND NO. OR P. O. BOX

STATE CAPITOL BUILDING

INSURED NO.

POST OFFICE

*Salt Lake City*

STATE

*Utah*

POD Form 3811  
July 1955

DELIVERING  
EMPLOYEE

Deliver ONLY to addressee. (Does not apply to Certified mail.)

Show address where delivered.

Received from the Postmaster the Registered, Certified, or Insured Article, the number of which appears on the face of this return receipt.

*F. G. Pittman*  
Signature or name of addressee

2. (Signature of addressee's agent—Agent should enter addressee's name on line ONE above)

Date of Delivery

4-7, 1956

April 3, 1956

020089

RRR  
REGISTERED

White Canyon Mining Company  
Dove Creek, Colorado

Attn: F. A. Sitton, Pres

Gentlemen:

Please take note that before plugging and abandoning Well No. 4, which you are drilling on Section 16, Township 33 South, Range 25 East, San Juan County, you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals by phone or otherwise, in order that our Petroleum Engineer may be present to inspect the manner in which the well is being plugged.

C. A. HAUPTMAN, Petroleum Engineer, Office phone: DA 2-4721, Ex 241  
Home phone: EM 4-6790

C. B. FEIGHT, Office phone: DA 2-4721, Ex 241  
Home phone: CR 7-3263

Address all other forms of communication to the Oil & Gas Conservation Commission, Rm 105, State Capitol Bldg, Salt Lake City, Utah.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

H. F. SMART  
COMMISSIONER

John C. Whitman (owner of the land) PS 5263  
3945 S 13 E

all E 14 T33 S R25 E, S 2

Under Cert of Sale No 23323

---

C. W. Nevins - EL 9-8780

Standard Oil Company of Calif

Borrowed Radioactivity Log

Went to Services, Inc. Jan 25, 1956

for Sutton Well # 4

C. W. Nevins

# WHITE CANYON MINING CO.

~~-200 North 6th Street~~

~~Grand Junction, Colorado~~  
P. O. Box 1720  
Fort Worth 1, Texas

January 24, 1957

#21-State of Utah Lease ML#5424  
San Juan County, Utah

## VIA AIR MAIL

Oil & Gas Conservation Commission  
State Capitol Building  
Salt Lake City, Utah

Gentlemen:

Referring to the State of Utah Lease ML#5424 covering all of Section 16, T-33-S, R-25-E in San Juan County, Utah.

In October, 1955 this company drilled a 6,083' dry hole on this land and in connection therewith filed with you a Surety Bond, dated October 20, 1955, in the principal amount of \$5,000 with White Canyon Mining Co., as principal, and the Great American Indemnity Company of Salt Lake City, as Surety.

Since the well has long since been completed and we have no intention of further drilling, at this particular time, we would like to cancel the Bond and save the annual premium if, under your regulations, we can do so without terminating the lease.

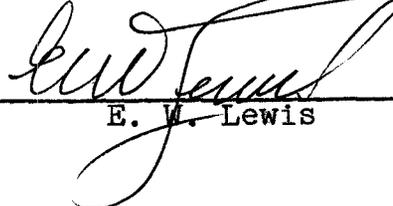
If this can be accomplished and you are agreeable thereto, please advise what is necessary to be done and by whom. If it is necessary for you to advise the Surety that no liability has accrued under the Bond and you are agreeable to cancellation, will you please do so; showing us for copy of your letter and sending such to us or send us the original letter that we may send it to the Bonding Company when asking for termination of the Bond.

I enclose stamped, self-addressed, airmail envelope for your convenience in reply.

Yours very truly,

WHITE CANYON MINING CO.

By

  
E. W. Lewis

EWL-WLH  
Encl.

January 28, 1957

White Canyon Mining Company

~~P. O. Box 1700~~

~~Fort Worth 1, Texas~~

*Suite 857 1st Security Bldg  
J. L. C.*

Re: Drilling and Plugging Bond,  
ML# 5424

Gentlemen:

This is to acknowledge receipt of your letter of January 24, 1957.

Please be advised that the above mentioned bond is on file with the State Land Board. Your letter, therefore, is being referred to them for the necessary action.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

OLEON B. FREIGHT  
SECRETARY

GBF:en

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



LEE E. YOUNG  
DIRECTOR

# THE STATE OF UTAH

STATE LAND BOARD

SALT LAKE CITY 14

Oct. 16, 1957

## BOARD MEMBERS

C. R. HENDERSON  
CHAIRMAN

M. V. HATCH

A. G. NORD

EDWARD W. CLYDE

C. S. THOMSON

Re: Mineral Lease No. 5424  
White Canyon Mining Company

Mr. Charles A. Hauptman  
1516 Hubbard Ave.  
Salt Lake City 5, Utah

Dear Mr. Hauptman:

This is an oil and gas lease on All of Sec. 16, T. 33 So., R. 25 E. Lessee requests release of the \$5000 bond which we hold as a guaranty of performance. Before taking action, the Land Board would like to have you advise whether or not the well has been properly plugged, and your recommendation as to releasing the bond.

A reply at your earliest convenience will be appreciated.

Very truly yours,

*Lee E. Young*  
LEE E. YOUNG  
DIRECTOR

AT

Jack -

As Secy for the O+S Comm.  
I think it is proper that  
you answer the US Land Bd  
attn Mr. Lee E. Young - as  
proper office routine,  
using what portion  
of my recommendation  
you think fitting.

Chas.

10/22/57

Memo for Utah Oil & Gas Comm —  
Attn, Secy Feight:

Reference is made to letter of Oct. 16, 1957 to the undersigned from Lee E. Young, Dir of Utah State Land Board, regarding release of \$5000<sup>00</sup> bond liability on Mineral Lease No. 5424.

Inasmuch as the records of this office show that Well No 4 Sitton located in SW 4 NW 4 Sec 16, T. 33 So., R. 25 East was drilled to a T. D. of 6070' with a gas show encountered at 5567' - 5578', and presently, according to our records, is standing suspended with hole full of drilling mud and casing head valve closed.

Tho I have not inspected this well recently nor does our records indicate the well to be properly plugged and abandoned, it is believed that this work has not been done,

Therefore, it is my recommendation that the \$5000<sup>00</sup> bond be not released at this time.

Oct. 22, 1957.

Chas. A. Hauptman.  
Petroleum Engineer.

October 23, 1957

The State Land Board  
Room 105  
BUILDING

Attention: Lee E. Young, Director

Re: Mineral Lease No. 5424,  
White Canyon Mining Company

Dear Mr. Young:

This office is in receipt of your letter of October 16, 1957, addressed to Mr. Charles A. Hauptman at his home address, relative to the releasing of liability of the \$5,000.00 bond filed on behalf of the lessee to cover all wells drilled on Section 16, Township 13 South, Range 25 East, SLBM, San Juan County, Utah.

Please be advised that the following registered letter was sent to the attention of F. A. Sitton, President, White Canyon Mining Company, Dove Creek, Colorado, on April 3, 1956:

"Please take note that before plugging and abandoning Well No. 4, which you are drilling on Section 16, Township 33 South, Range 25 East, San Juan County, you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals by phone or otherwise, in order that our Petroleum Engineer may be present to inspect the manner in which the well is being plugged.

C. A. HAUPTMAN, Petroleum Engineer

Office phone: DA 2-4721, Ext. 241

Home phone: EM 4-6790

G. B. FEIGHT Office phone: DA 2-4721, Ext. 241

Home phone: CR 7-3263

Address all other forms of communication to the Oil and Gas Conservation Commission, Room 105, State Capitol Building, Salt Lake City, Utah.\*

October 23, 1957

As of this date neither Mr. Hauptman or myself have ever been notified that said well had been or was to be plugged and abandoned.

The records of this office indicate that Well No. Sitton 4, which is located in the SW $\frac{1}{4}$  NW $\frac{1}{4}$  of Section 16, Township 33 South, Range 25 East, SLEM, San Juan County, Utah, was drilled to a total depth of 6070 feet, with a gas show encountered at 5567-5578 feet, and presently, according to our records, is standing suspended with hole full of drilling mud and casing head valve closed.

It is Mr. Hauptman's recommendation that the \$5,000.00 drilling bond not be released at this time.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
SECRETARY

CBF:cn

cc: White Canyon Mining Company  
Dove Creek,  
Colorado

October 30, 1957

Re: Mineral Lease No. 5424

White Canyon Mining Company  
P. O. Box 1720  
Fort Worth 1, Texas

Gentlemen:

Reference is made to a letter dated October 23, 1957 from the Utah State Oil & Gas Conservation Commission, a copy of which was sent to you as of the above mentioned date. Your company was notified on April 3, 1956 that in the event that you elected to abandon Well No. 4, advance notice of plugging and abandoning must be given to the Oil & Gas Conservation Commission, and that said plugging must be supervised by an authorized representative of the Commission.

Your letter of January 24, 1957, requesting release of the bond, states that you have abandoned this well. It is our understanding that this well has not been plugged and abandoned as prescribed by the Rules and Regulations of the Oil & Gas Conservation Commission. It is, therefore, requested that you comply with the above mentioned regulation and notify, in advance, one of the following individuals:

C. A. Hauptman, Petroleum Engineer  
Office: Davis 2-4721, Ext. 438

Cleon B. Feight, Secretary  
Office: Davis 2-4721, Ext. 438

Further, that Surety Bond No. 613928 cannot be released until you have complied with the above mentioned regulation.

Yours very truly,

  
LEE E. YOUNG  
DIRECTOR

DNC:jg  
cc: Leland J. Paxton  
Eastman Hatch & Co.  
511 Cont. Bank Bldg., City  
Cleon B. Feight  
Oil & Gas Cons. Comm.  
Building

Jack,

This well  
status is in doubt.

Has it been P+Ad,  
if so how, when?

Bond is still intact.

Hold in abeyance.

Chas

11/6/57.

P&A Marker - Clean up Loc ?

1-9-58

---

This well not P&A as of Jan 58  
Satisfactory Work done by Texaco in Sept. 58.

# WHITE CANYON MINING CO.

200 North 6th Street  
Grand Junction, Colorado

P. O. Box 1720  
Fort Worth, Texas

January 6, 1958

#21 - State of Utah Lease ML-5424  
San Juan County, Utah

*Noted H  
1-9-58*

VIA AIR MAIL

Mr. C. A. Hauptman  
Petroleum Engineer  
Oil and Gas Conservation Commission  
State of Utah  
Salt Lake City 14, Utah

Dear Sir:

Referring to our previous correspondence with reference to complying with requirements of the State of Utah in connection with the plugging and abandonment of the well we drilled in Section 16, T-33-S, R-25-E, San Juan County, Utah.

We have been able to ascertain that the well was officially temporarily abandoned on December 14, 1955 and report so filed with you. The well was mud filled and a valve was attached to the surface pipe.

We are now ready to properly plug and abandon this well in accordance with your requirements and, as per previous correspondence, since this company has no personnel familiar with oil and gas matters to handle the plugging, we have arranged with The Texas Company to handle the matter for it.

We intend to ask The Texas Company to arrange for the necessary plugging unit to properly plug the well and the purpose of this letter is to inquire whether or not you desire to be present at the plugging and, if so, how much notice will you require, to whom should such notice be given; and, further, to advise you the certain date that the plugging operations will take place, if you do intend to be present. Otherwise, we will plug the well in the near future and furnish you with data so showing, with a statement of when the work was done.

Further, we assume that the erection of the 4' marker at the well site is all that is necessary, other than proper plugging of the well and cleaning up the location. Is this correct?

Yours very truly,

WHITE CANYON MINING COMPANY

By *[Signature]*

EWL-WLH

# WHITE CANYON MINING CO.

200 North 6th Street

Grand Junction, Colorado

February 6, 1958

#21 - State of Utah Lease ML-5424  
San Juan County, Utah

Via Air Mail

Mr. Cleon B. Feight, Secretary  
Oil and Gas Conservation Commission  
State of Utah  
Salt Lake City 14, Utah

Dear Sir:

We are asking the Texaco Farmington, New Mexico office to arrange, at an early date, for the proper plugging of the well drilled by us in Section 16, Township 33 South, Range 25 East, San Juan County, Utah.

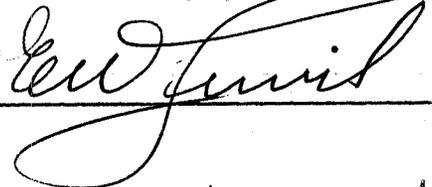
We requested that office to advise you when the date for plugging is set so that you may arrange to have someone present, if you so desire.

We are writing you this letter so you will anticipate receiving notice of plugging of the well.

Yours very truly,

WHITE CANYON MINING COMPANY

By



EWL-WLH

*Not able to visit this operation 2/13/58  
because of impassable roads from Blanding.  
CWT*

# WHITE CANYON MINING CO.

200 North 6th Street  
Grand Junction, Colorado

P. O. Box 1720  
Fort Worth, Texas

January 6, 1958

#21 - State of Utah Lease ML-5424  
San Juan County, Utah

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Yours very truly,

WHITE CANYON MINING COMPANY

By *W. D. Lewis*

EWL-WLH

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200 North 6th Street

Grand Junction, Colorado

February 6, 1958

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San Juan County, Utah

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State of Utah  
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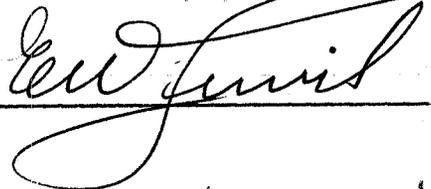
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Yours very truly,

WHITE CANYON MINING COMPANY

By



EWL-WLH

*Notable to visit this operation 2/13/58  
because of impassable roads from Blanding.  
CST*

# THE TEXAS COMPANY

TEXACO PETROLEUM PRODUCTS



PRODUCING DEPARTMENT  
WEST TEXAS DIVISION

P. O. Box 817  
Farmington, New Mexico

August 18, 1958

#21 - STATE OF UTAH LEASE ML-5424  
WHITE CANYON BITTON WELL NO. 4  
SAN JUAN COUNTY, UTAH

Mr. C. A. Hauptman  
Utah Oil & Gas Commission  
Salt Lake City, Utah

Dear Sir:

Reference is made to your conversation with our Mr. L. W. Folmar on July 21, 1958, regarding the plugging of the above well.

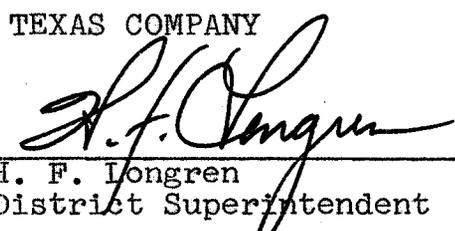
It is my understanding that if heavy mud exists below the surface pipe, which is set at a depth of 348', that it will be satisfactory to abandon this well by setting a cement plug at the base of the surface pipe and another plug at the surface.

It is also my understanding that you wish to witness this procedure to be certain that heavy mud exists below the surface pipe. Accordingly, we plan to enter this hole beginning at 8:00 A.M., September 3, 1958 and respectfully request that you have a witness present at that time. If this is inconvenient, we will be glad to change the date of our plugging operations if we have reasonable notice.

We will process the necessary forms regarding this abandonment through regular channels.

Yours very truly,

THE TEXAS COMPANY

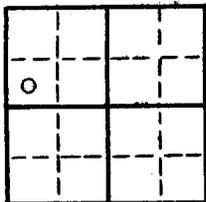
By: 

H. F. Longren  
District Superintendent

HFL-ERA

(SUBMIT IN DUPLICATE)

LAND:



STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING  
SALT LAKE CITY 14, UTAH

Fee and Patented.....  
State.....  
Lease No. ML-5424  
Public Domain.....  
Lease No. ....  
Indian.....  
Lease No. ....

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	<input type="checkbox"/>	Subsequent Report of Water Shut-off.....	<input type="checkbox"/>
Notice of Intention to Change Plans.....	<input type="checkbox"/>	Subsequent Report of Altering Casing.....	<input type="checkbox"/>
Notice of Intention to Redrill or Repair.....	<input type="checkbox"/>	Subsequent Report of Redrilling or Repair.....	<input type="checkbox"/>
Notice of Intention to Pull or Alter Casing.....	<input type="checkbox"/>	Supplementary Well History.....	<input type="checkbox"/>
Notice of Intention to Abandon Well.....	<input checked="" type="checkbox"/>		

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

F. A. Sitton ..... August 20, 1958

Well No. 4 is located 1980 ft. from N line and 660 ft. from W line of Sec. 16

NW 1/4 of Section 16 33-S 25-E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6795 feet.

A drilling and plugging bond has been filed with Utah State Land Board

*Abandonment  
procedure  
approved 8/22/58  
C. S. Suptman*

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 work, surface formation, and date anticipate spudding-in.)

As of December 14, 1955, this well was filled with heavy mud, a valve was attached to the surface casing and well was temporarily abandoned. Total depth of this well is 6070' with 10-3/4" surface casing set at 348'.

We now propose to re-enter well beginning at 8:00 A.M., September 3, 1958, and permanently plug and abandon well as follows:

The hole will first be tested to determine that heavy mud exists below surface casing. A cement plug will be set from 398' to 298' in bottom of surface casing and a 10 sack cement plug set in top of surface casing. A 4" x 10' pipe marker will be cemented in top of surface casing with 4' extending above ground level.

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

Company White Canyon Mining Company

Address 1129 Colorado Avenue By [Signature]

Grand Junction, Colorado Title Agent

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

August 22, 1958

Mr. H. F. Longren, District Superintendent  
The Texas Company  
Producing Department  
P. O. Box 817  
Farmington, New Mexico

Dear Sir:

This will acknowledge receipt of your letter of August 18, 1958, regarding State of Utah Lease ML 5424, White Canyon Sitton Well No. 4, San Juan County, Utah.

Attached hereto we are returning approved notice of intention to abandon this well.

As plans now stand, I shall be at the well on the scheduled date and time of September 3.

We wish to thank you for your cooperation and willingness to adequately dispose of the abandonment of this well.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CHAS. A. HAUFMAN  
PETROLEUM ENGINEER

CAH:co

cc: Don Russell, Dist. Eng.  
USGS, Federal Building  
Salt Lake City, Utah

WHITE CANYON MINING CO.

1129 Colorado Avenue  
~~XXXXXXXXXXXX~~

Grand Junction, Colorado

21 - State of Utah Lease ML-5424,  
San Juan County, Utah

~~Box 1720,  
Fort Worth, Texas~~

September 11, 1958

Mr. C. A. Hauptman, Petroleum Engineer  
Utah Oil & Gas Conservation Commission  
Salt Lake City 14, Utah

Dear Sir:

Referring to our previous correspondence with reference to proper plugging of White Canyon Mining Company Well No. 4 Sitton located on the above State of Utah lease which covers Section 16, T-33-S, R-25-E in San Juan County, Utah.

This well has now been properly plugged, the operations in connection with which we understand were witnessed by you. We enclose two snapshots taken at different angles, showing the marker erected at the abandoned location, and the fact that the location has been cleaned.

Since the bond in the principal sum of \$5,000 made by White Canyon with Great American Indemnity Company was in connection with this particular well, and now that such well has been plugged, etc., we assume that it is now in order for you to advise the agents of the bonding company that the purposes for which the bond was given have been complied with. If we are correct in our assumption, will you please so advise the agents for the bonding company, to whom we are sending copy hereof, furnishing us with copy of your letter so we can be released from the payment of further premiums on the bond.

We take this occasion to thank you for your cooperation with us in finalizing this matter.

With best wishes, we remain

Yours very truly,

WHITE CANYON MINING COMPANY

BY: E. W. Lewis

E. W. Lewis

EWL-DH  
Encl.

CC: Mr. Eeland J. Paxton, Manager,  
Eastman Hatch & Company, Agents,  
Great American Indemnity Company,  
811 Continental Bank Building,  
Salt Lake City 1, Utah

September 19, 1958

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

Gentlemen:

Reference is made to Mrs. Thompson's request of this date for Memorandum regarding status of plugging operations and eventual release of surety bond on ML 5424.

White Canyon Mining Company Well No. 4 Sitton located on above lease covering Section 16, Township 33 South, Range 25 East, was plugged and abandoned satisfactorily by the Texas Company under my supervision on September 3, 1958. The location cleaned up, leveled off, and regulation marker installed.

Therefore, the Oil & Gas Conservation Commission has no objection to release of liability under this bond.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

By CHAS. A. HAUPTMAN  
PETROLEUM ENGINEER

CAH:co

cc: White Canyon Mining Company  
Grand Junction, Colorado

# YUBA DEVELOPMENT CORPORATION



A SUBSIDIARY OF YUBA CONSOLIDATED  
INDUSTRIES, INC.

1129 COLORADO AVENUE, GRAND JUNCTION, COLORADO • CHAPEL 2-9140

June 20, 1961

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

Re: Sitton #4  
Sec. 16, T. 33S, R. 25E,  
San Juan County, Utah

Gentlemen:

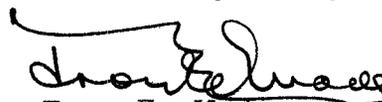
We have your letter of June 20, 1961 asking for additional information on the above well by way of an electric log if same was available.

Since these leases were sold to Texaco, Inc. most of the information has been turned over to their office.

However, we did find the enclosed log still in our files and we are happy to send it to you for your information.

Should you desire additional data at any time, we suggest you write direct to Texaco.

Yours very truly,

  
Troy E. Wade  
Office Manager

TEW:dt  
Enc. - 1