

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

Before Commissioners: Andrew J. French, Chairperson
 Dwight D. Keen
 Annie Kuether

In the Matter of the Application of Canaday)	Docket No. 23-CONS-3103-CUNI
Oil Corporation for an Order Authorizing)	
the Unitization and Unit Operation of the)	CONSERVATION DIVISION
Irons Morrow Sand Unit in Clark County,)	
Kansas)	
_____)	License No. 5303

Prefiled Testimony

of

**Grant M. Canaday, P.E.
Owner**

on behalf of

Canaday Oil Corporation

1 Q Would you please state your name, title, and business address?

2 A My name is Grant M. Canaday. I am the owner of Canaday Oil Corporation and a licensed

3 Petroleum Engineer. Our office is at 2407 Saint Andrews Street, Goddard, Kansas 67052.

4 Q How long have you practiced your profession?

5 A I have operated oil and gas leases in Kansas and Oklahoma since 1985. I have held my

6 Petroleum Engineer license since 1988.

7 Q Have you appeared before this Commission on prior occasions and qualified as an expert

8 Petroleum Engineer to give testimony?

9 A No, I have not appeared.

10 Q Would you please advise the Commission of your schooling, education, and degrees

11 obtained?

12 A Yes. I have a Bachelor of Science degree in Petroleum Engineering from University of

13 Kansas that I received in 1977.

14 Q Would you please describe your relevant technical experience?

15 A Yes. I have worked since 1977 as a Petroleum Engineer. Almost all of the work has been

16 in Production and Reservoir Engineering for various companies. These companies include

17 Gulf Oil Corporation, Tenneco Oil Exploration Company, Petroleum Reserve Corporation,

18 Cherokee Operating Company, Mid-Continent Energy Operating Company, Canaday Oil

19 Corporation, and Darrah Oil Company.

20 Q What are your duties as owner of Canaday Oil Corporation?

21 A I am primarily responsible for engineering evaluations. In addition, my duties include

22 conducting reservoir evaluations and preparing detailed engineering studies for secondary

23 recovery potential of Canaday Oil Corporation's oil and gas properties. As a part of my

responsibilities, I also work on a variety of issues ranging from production operations and reservoir engineering to acquisitions and divestures.

Q Are you familiar with the application filed by Canaday Oil Corporation for the Unitization and Unit Operation of the Irons Morrow Sand Unit?

A Yes.

Q Have you made engineering studies and prepared exhibits regarding this Application to prepare yourself to testify today in support of this Application?

A Yes, I have reviewed the electric logs, drilling reports, production reports, drill stem test data, and completion reports in preparation for this testimony.

Q Have you prepared or caused to be prepared under your supervision and direction, exhibits prefiled in this docket?

A Yes, I have prepared maps of the proposed Irons Morrow Sand Unit area showing the Tracts and locations of the wells in the area (Exhibit #1). Exhibit #2 is a Well Log showing the production interval being unitized. I have also prepared isopach and production map for the proposed Irons Morrow Sand Unit (Exhibit #3). Exhibit #4 is a total oil production curve for the leases in the proposed Irons Morrow Sand Unit showing the remaining primary and anticipated secondary recovery from the area. Exhibit #5 is a table that shows the Tracts, well names, well locations, cumulative oil production, daily oil production, and perforated intervals. Exhibit #6 shows the planned waterflood pattern and the location of the consolidated tank battery and injection plant. Exhibit #7 shows our projection of the estimated incremental secondary oil that we believe will be recovered. Exhibit #8 is a list of owners list for the proposed Irons Morrow Sand Unit.

Q Would you please explain Exhibit #1?

1 A Exhibit #1 is a plat that shows the area of the proposed Irons Morrow Sand Unit. It will
2 include the following land in Clark County, Kansas:

3 The Southeast Quarter (SE/4) and the East Half of the Northeast Quarter (E/2 NE/4) of
4 Section 7, the West Half (W/2) of Section 8, the Northwest Quarter (NW/4) of Section 17,
5 and the Northeast Quarter of the Northeast Quarter (NE/4 NE/4) of Section 18, all in
6 Township 30 South, Range 24 West.

7 Q Would you briefly explain the history of this area?

8 A The proposed Irons Morrow Sand Unit is located just east of Minneola, Kansas. All of the
9 wells are in the Fager Southeast or Appleton Northwest fields which have produced for the
10 past 35 years. The discovery well, the Oshlo A #1, was drilled in 1982 and is located
11 Northwest Quarter of the Northeast Quarter of the Northeast Quarter (NW/4 NE/4 NE/4)
12 of Section 7, Township 30 South, Range 24 West. This well penetrated the Mississippi
13 Lime and encountered seven feet of Morrow gas sand and is located at the northern extent
14 of the field. Additional wells were not drilled until 1988 with the Vern Jones #1-8, located
15 in the Southwest Quarter of the Southwest Quarter (SW/4 SW/4) Section 8, Township 30
16 South, Range 24 West. Its initial daily production was 95 barrels of oil, 285 MCF of gas,
17 and 1 barrel of water. All other wells in the proposed Irons Morrow Sand Unit were drilled
18 and completed by 1990. The southern limit of the field is just south of the Byerley well
19 where Ladd Petroleum drilled the Pittman #1-17 located in the Northwest Quarter of the
20 Southwest Quarter (NW/4 SW/4) of Section 17, Township 30 South, Range 24 West. The
21 Pittman #1-17 perforated the tight Morrow Sand formation but produced only 2,000 barrels
22 of oil. Due to its low production, the well was plugged and abandoned.

23 Q What is cumulative and current oil production from the Unit area?

1 A Cumulative primary oil recovery was 198,659 barrels of oil. Current oil production from
2 the two currently active producing wells in the proposed Irons Morrow Sand Unit area is
3 about 0.5 barrels of oil per day.

4 Q Please explain Exhibit #2.

5 A This Well Log is an electric log from the Irons #1-8 well in the proposed Irons Morrow
6 Sand Unit. The unitized interval for the proposed Irons Morrow Sand Unit is the Morrow
7 Sand formation.

8 Q Why was this section chosen as the unitized formation?

9 A The Morrow Sand is the only productive zone in the proposed Irons Morrow Sand Unit
10 and the unit wells have all been perforated and produced in the Morrow Sand interval. The
11 unitized formation covers this interval.

12 Q Are these formations in pressure communication and do they act as a single pressure
13 system?

14 A Yes. This interval has been produced in wellbores within the unit and are one common
15 pool. These intervals act as a single pressure system so that production from one part of
16 the pool affects pressures throughout.

17 Q Please describe the zone development for the main waterflood intervals.

18 A The Well Log shows the Morrow Sand target waterflood zone.

19 Q Please explain Exhibit #3.

20 A Exhibit #3 shows the Morrow Sand isopach map with sand thickness ranging from zero to
21 over ten feet. This map is used to estimate the net acre feet of the Morrow Sand to then
22 calculate the oil in place. The original oil in place in the Morrow Sand reservoir from this
23 map combined with the electric log information was determined to be 1,195,120 barrels of

oil. Exhibit #3 also shows the primary production of each tract in the proposed Irons Morrow Sand Unit.

Q Based on your analysis of the main waterflood intervals, what is the primary recovery factor of oil in place?

A Cumulative production of 198,659 stock tank barrels of oil results in a 16.6% recovery factor of the total original oil in place in the Morrow Sand formation. Remaining primary recovery reserves, based on lease decline curve analyses, are 0 stock tank barrels of oil. All wells in the proposed Irons Morrow Sand Unit are currently at their economic limit therefore the ultimate primary recovery is 198,659 stock tank barrels of oil or 16.6% of the original oil in place.

Q Please explain Exhibit #4.

A Exhibit #4 shows the Irons Morrow Sand Unit performance curve. This decline curve represents the total oil production performance from the producing wells in the proposed Irons Morrow Sand Unit. These wells peaked at 143 barrels of oil per day in December 1988. Production then declined to less than 35 barrels of oil per day in late 1993. Production has since declined down to less than one barrel of oil per day with several of the producing wells within the proposed Irons Morrow Sand Unit having been temporarily abandoned.

Q What does Exhibit #5 show?

A Exhibit #5 shows the cumulative oil production and current daily production of the wells in the proposed Irons Morrow Sand Unit along with well locations and the perforated intervals.

Q Is it necessary to install a waterflood at this time?

1 A Yes. Installation of a secondary recovery unit is needed to prevent loss of wellbores and
2 reserves. Failure to install a waterflood at this time would cause waste.

3 Q What does Exhibit #6 show?

4 A Exhibit #6 shows the planned waterflood pattern and the location of the consolidated tank
5 battery and injection plant. The pattern will involve the conversion of one existing well to
6 water injection. The plan also includes the drilling of one new well in the West Half of the
7 Northeast Quarter (W/2 NE/4) of Section 7, Township 30 South, Range 24 West, as an
8 injection well. The proposed location to be drilled is essential to improving the waterflood
9 sweep efficiency through the Morrow Sand reservoir.

10 Q In the proposed operations, what injection rates and pressures do you recommend for this
11 plan?

12 A The plan is to start injection at approximately 350 barrels of water per day per well. It is
13 anticipated that the injection pressure would be 1,200 psi or less at the wellhead. In no
14 event would the injection pressure exceed the fracture gradient of the target waterflood
15 zones of Morrow Sand formation.

16 Q Please explain Exhibit #7.

17 A Exhibit #7 shows the secondary recovery cashflow projection of the proposed Irons
18 Morrow Sand Unit. In addition to the remaining primary performance of the proposed
19 Irons Morrow Sand Unit wells, Exhibit #7 shows our projection of the estimated
20 incremental secondary oil that we believe will be recovered over approximately 17 years
21 by the installation of this waterflood. It is estimated that installing the Irons Morrow Sand
22 Unit waterflood will increase the total recovery by about 200,000 stock tank barrels of oil.

1 Q What is the estimated investment required to install the proposed Irons Morrow Sand Unit
2 waterflood, and does the estimated recovery justify this investment?

3 A Yes. It is estimated that it will cost approximately \$1,725,000 to install this project.
4 Economic runs indicate the water flood project will result in a net income that totals over
5 \$6,200,000 (after the payout of the capital investment), using an average oil price of \$65
6 per barrel.

7 Q Is it your further testimony that that the proposed operations are economically feasible, and
8 are necessary to prevent waste and protect correlative rights?

9 A Yes.

10 Q Does Canaday Oil Corporation own leasehold rights to drill and produce oil and gas in the
11 area subject to this application?

12 A Yes. All minerals within the proposed Irons Morrow Sand Unit are currently leased with
13 the exception of Tract 1 (the Northwest Quarter (NW/4) of Section 17, Township 30 South,
14 Range 24 West) and Tract 5 (the Northeast Quarter of the Northeast Quarter (NE/4 NE/4)
15 of Section 18, Township 30 South, Range 24 West). These Tracts are necessary to
16 effectively perform secondary recovery and to leave these two Tracts out of the proposed
17 Irons Morrow Sand Unit would greatly reduce the ultimate recovery of oil, causing
18 significant waste.

19 Q What records were reviewed in order to determine ownership in the proposed Irons Morrow
20 Sand Unit?

21 A I have reviewed, or caused to be reviewed, records in the Clark County Courthouse
22 pertaining to mineral ownership, leasehold and surface ownership, and mortgages against
23 oil and gas interests of record.

1 Q Will you please identify and explain Exhibit #8?

2 A It is a list showing the names and addresses of all oil and gas lessors, lessees, mineral
3 owners, mortgagees, and other persons owning oil and gas interests of record in the Irons
4 Morrow Sand Unit.

5 Q Do you have any corrections to Exhibit #8?

6 A No.

7 Q Have you reviewed the Unit Agreement and Unit Operating Agreement which have been
8 filed with this Commission?

9 A Yes.

10 Q In your opinion, do these agreements provide fair, reasonable, and equitable provisions for
11 the efficient unitized management and control of the further development and operation of
12 the proposed Irons Morrow Sand Unit area for the recovery of oil from the common source
13 of supply?

14 A Yes, they will.

15 Q How was the tract participation determined?

16 A A three factor participation formula was devised to protect the working interest and mineral
17 interest owners in the field. The factors are allocated 50% to historical oil production, 30%
18 to acre-feet derived from the Morrow Sand Isopach Map as shown in Exhibit #3, and 20%
19 to usable wells. It should be noted that 100% of the estimated ultimate primary recovery
20 has already been recovered as of November 1, 2023.

21 Q Do you know what percentage of the interests have executed these agreements?

22 A Yes. 87.74% of the working interest and over 89.19% of the royalty owners (excluding
23 overriding royalty) have signed. Approval of greater than 63% of the working interest

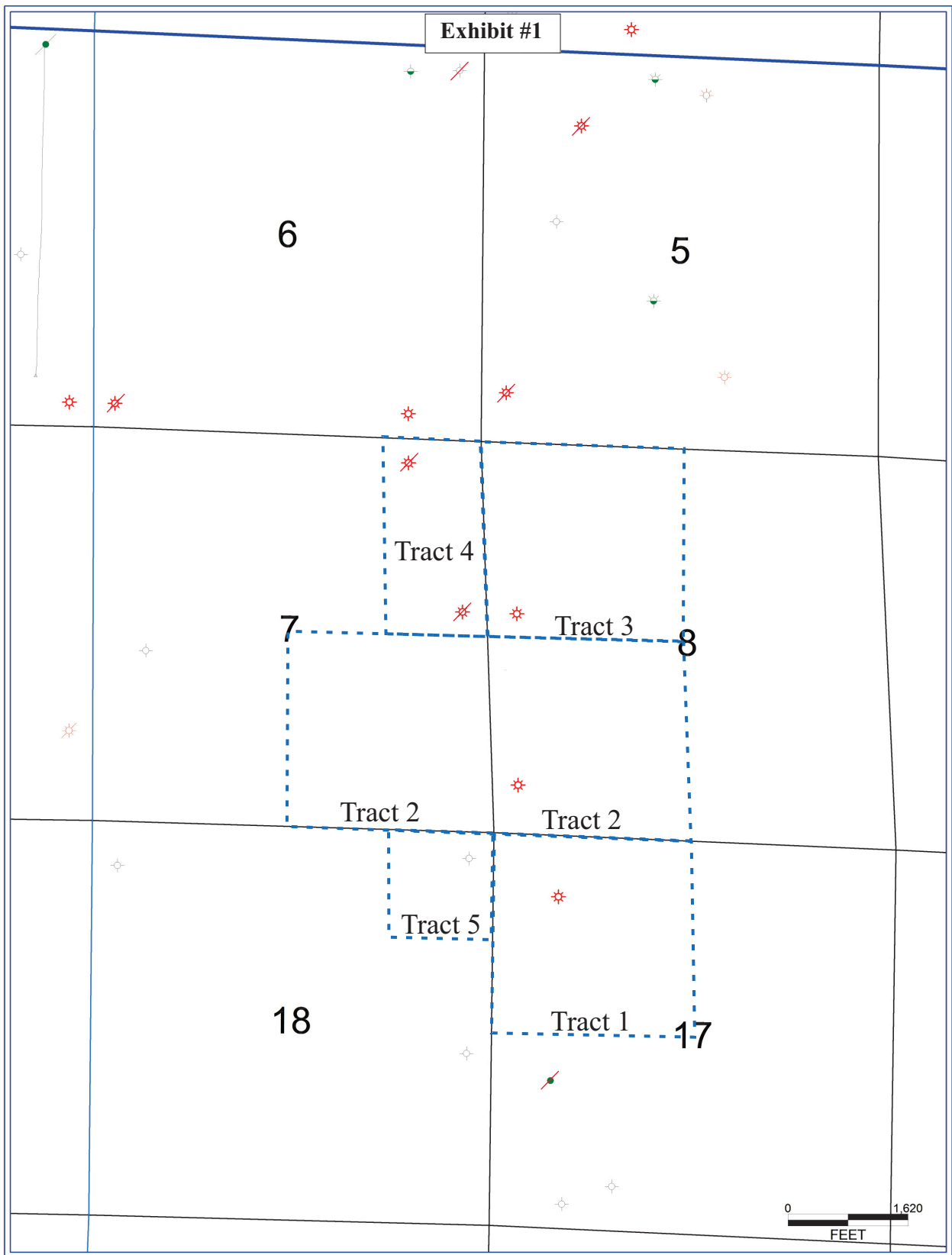
1 owners and 75% of the royalty owners is required when the unitized management,
2 operation, and further development of the pool is economically feasible and reasonably
3 necessary to prevent waste and thereby increases the ultimate recovery of oil or gas. This
4 is the case in the proposed Irons Morrow Sand Unit.

5 Q Is it your opinion that the provisions of these agreements are fair and equitable to all
6 working interest owners and royalty owners in the proposed Irons Morrow Sand Unit area?

7 A Yes.

8 Q Based on all of your studies, the exhibits you have provided, and your testimony here today,
9 are you recommending that the Commission grant this application?

10 A Yes.



Legend

- Unitized Area
- Producing Well
- Dry Hole
- Water Supply Well
- Injection Well to be Converted

CANADAY OIL CORPORATION

Irons Morrow Sand Unit

Clark County, Kansas T30S-R24W






Tract Map

Exhibit #1

FINAL PRINT Schlumberger		COMPENSATED NEUTRON- FORMATION DENSITY			
COMPANY		VERN JONES			
WELL		IRONS 1-8			
FIELD		WILDCAT			
COUNTY		CLARK		STATE KANSAS	
CLARK	WILDCAT	600' FSL & 240' FWL		Other Services: DIL/SFL W/GR LDT/CNL W/GR	
WILDCAT	600' FSL & 240' FWL	API SERIAL NO. 025-21, 013		SECT. 8	TWP. 30 S
600' FSL & 240' FWL	IRONS 1-8			RANGE 24 W	
IRONS 1-8	VERN JONES	Permanent Datum		GL	Elev. 2539.0 F
VERN JONES		Log Measured From		KB	5.0 F above Perm. Datum
		Drilling Measured From		KB	Elev.: K.B.2544.0 F D.F.2542.0 F G.L.2539.0 F
		Date		23-JUL-88	
		Run No.		ONE	
		Depth Driller		5410.0 F	
		Depth Logger (Schl.)		5410.0 F	
		Btm. Log Interval		5407.0 F	
		Top Log Interval		4300.0 F	
		Casing-Driller		8 5/8	600.0 F
		Casing-Logger		661.0 F	
		Bit Size		12 1/4"	7 7/8"
		Type Fluid in Hole		CHEMICAL	
		Dens.	Visc.	8.90 LB/G	48.0 S
		pH	Fld. Loss	9.5	6.4 C3
		Source of Sample		FLOWLINE	
		Rm @ Meas. Temp.	.432 OHMM	81.0 DEGF	
		Rmf @ Meas. Temp.	.332 OHMM	74.0 DEGF	
		Rms @ Meas. Temp.	.572 OHMM	74.0 DEGF	
		Source: Rmf	MEAS	CALC	
		Rm @ BHT	.286 OHMM	125. DEGF	
		Circulation Ended	1330 7-23		
		Logger on Bottom	1753 7-23		
		Max. Rec. Temp.	125. DEGF		
		Equip.	Location	8324	LIBERAL
		Recorded By	TERRY HOTTOVY		
		Witnessed By	JONES & SEAL		

The well name, location and borehole reference data were furnished by the customer.

Legend

-  Unitized Area
-  Producing Well
-  Dry Hole
-  Water Supply Well
-  Injection Well to be Converted

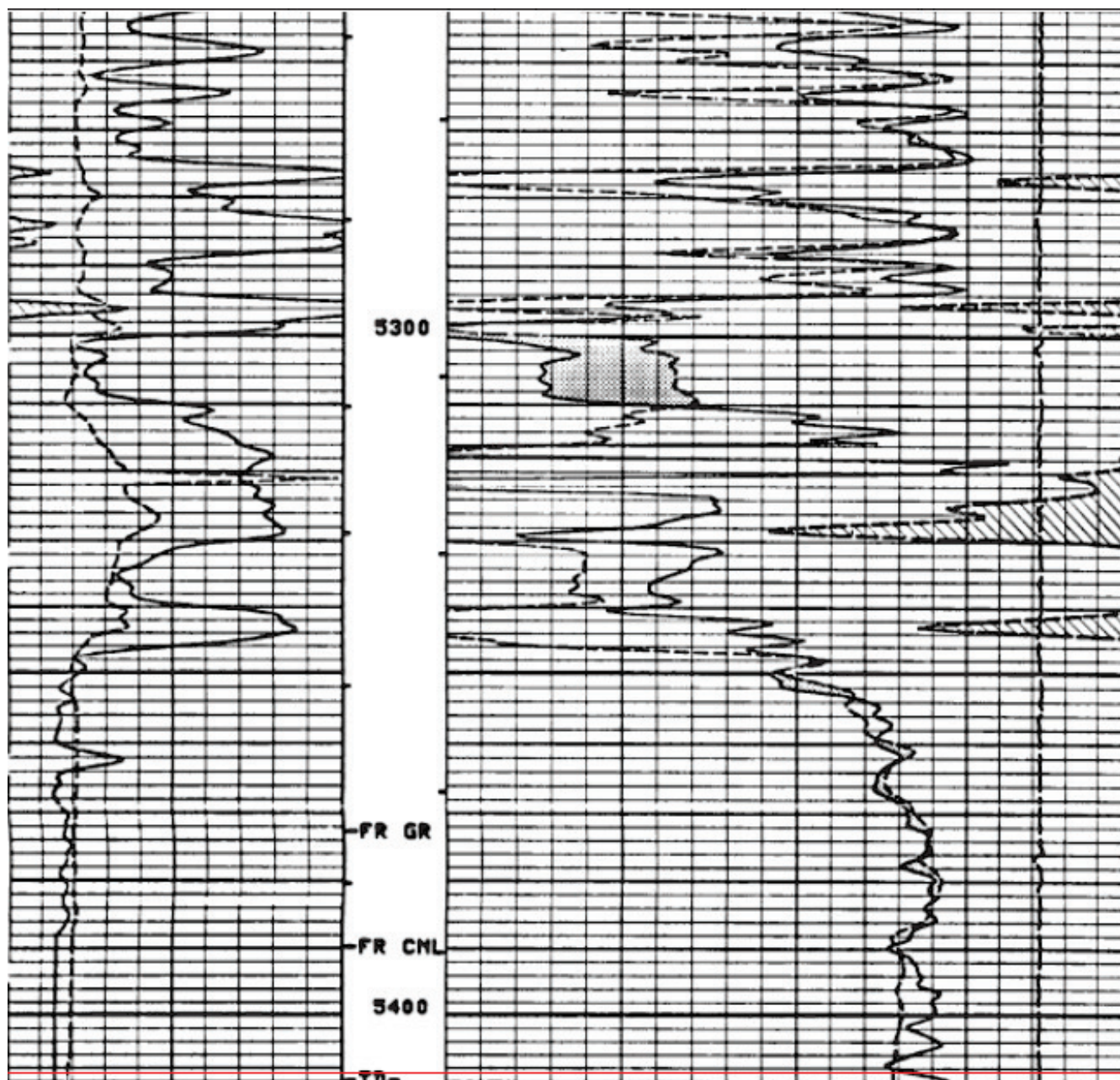
CANADAY OIL CORPORATION

Irons Morrow Sand Unit






Clark County, Kansas T30S-R24W

Irons #1-8 Well Log

Exhibit #2



Legend

-  Unitized Area
-  Producing Well
-  Dry Hole
-  Water Supply Well
-  Injection Well to be Converted

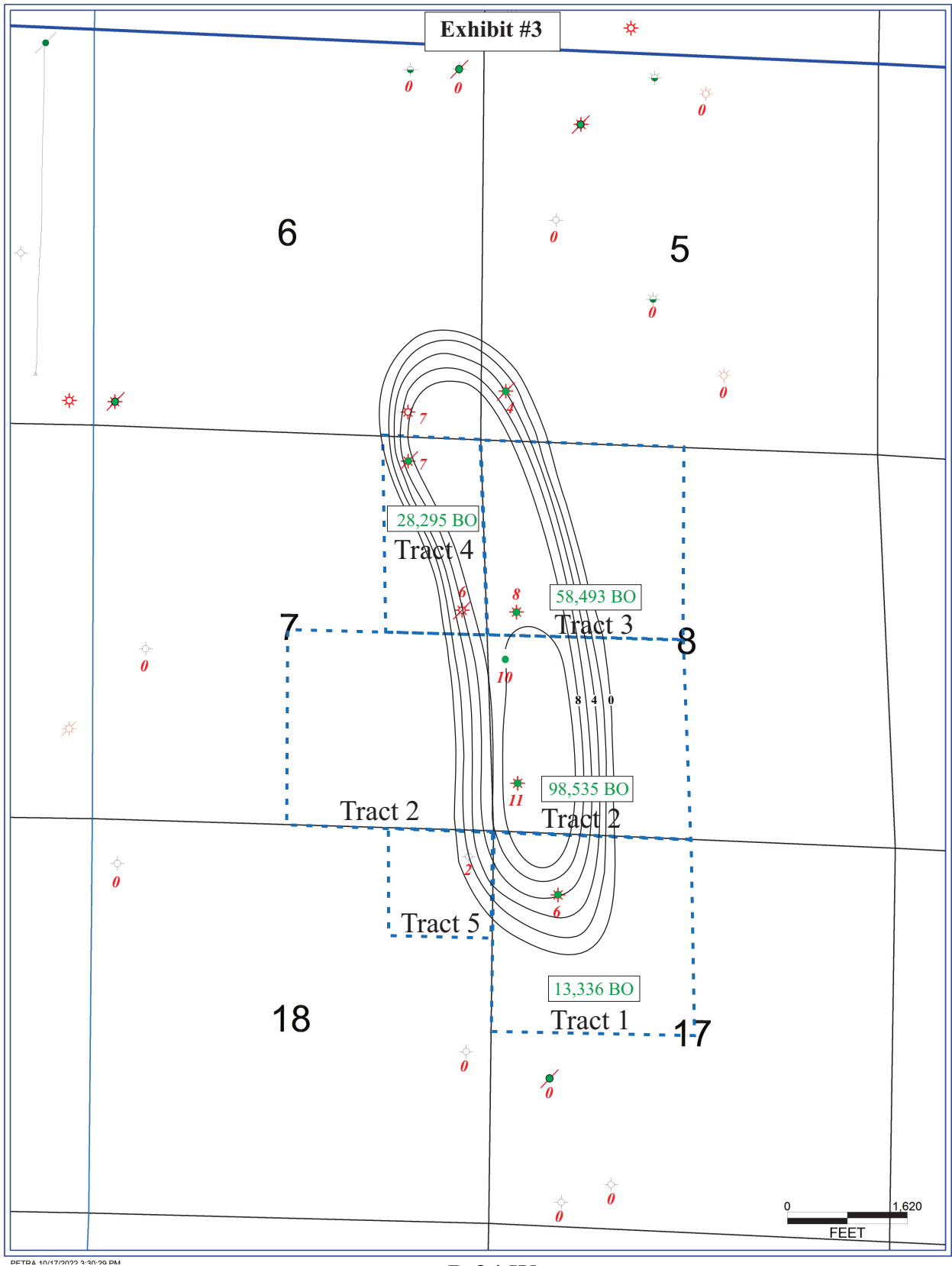
CANADAY OIL CORPORATION

Irons Morrow Sand Unit

Clark County, Kansas T30S-R24W

Irons #1-8 Well Log

Exhibit #2



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R 24 W

Legend

- Unitized Area
- Producing Well
- Dry Hole
- Water Supply Well
- Injection Well to be Converted

CANADAY OIL CORPORATION

Irons Morrow Sand Unit

Clark County, Kansas T30S-R24W

Morrow Sand Net Pay Isopach Map

C.I. = 2 ft.

Exhibit #3

BY: M. CANADAY/R. SAENZ

12/07/2023

EXHIBIT #4

Rate/Time Graph

Project: C:\Users\Mickey\Documents\IHS\PowerTools\Projects v9.4\Canaday9.4.mdb

Date: 12/8/2023

Time: 11:25 AM

Summary Lease Report

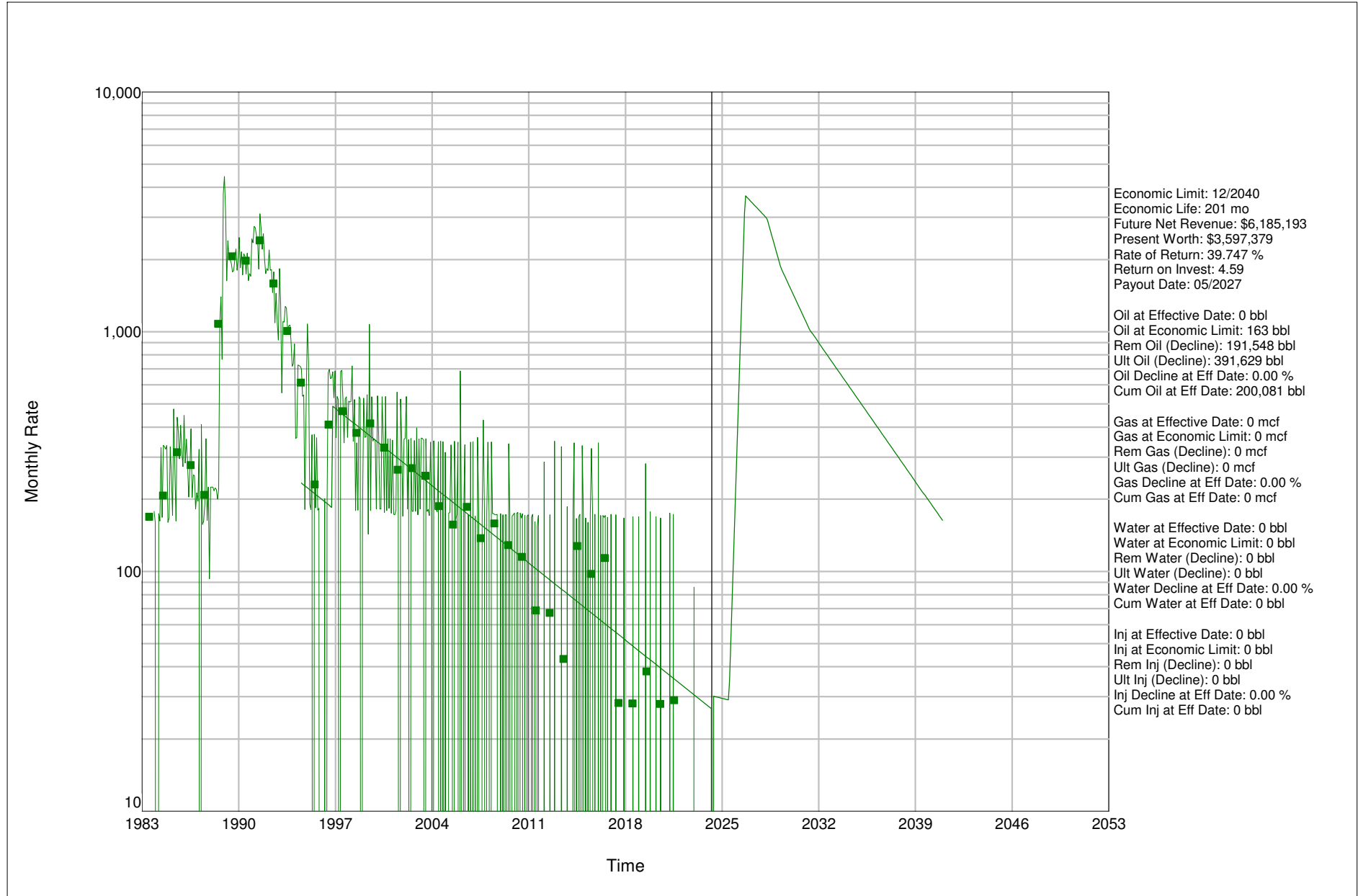
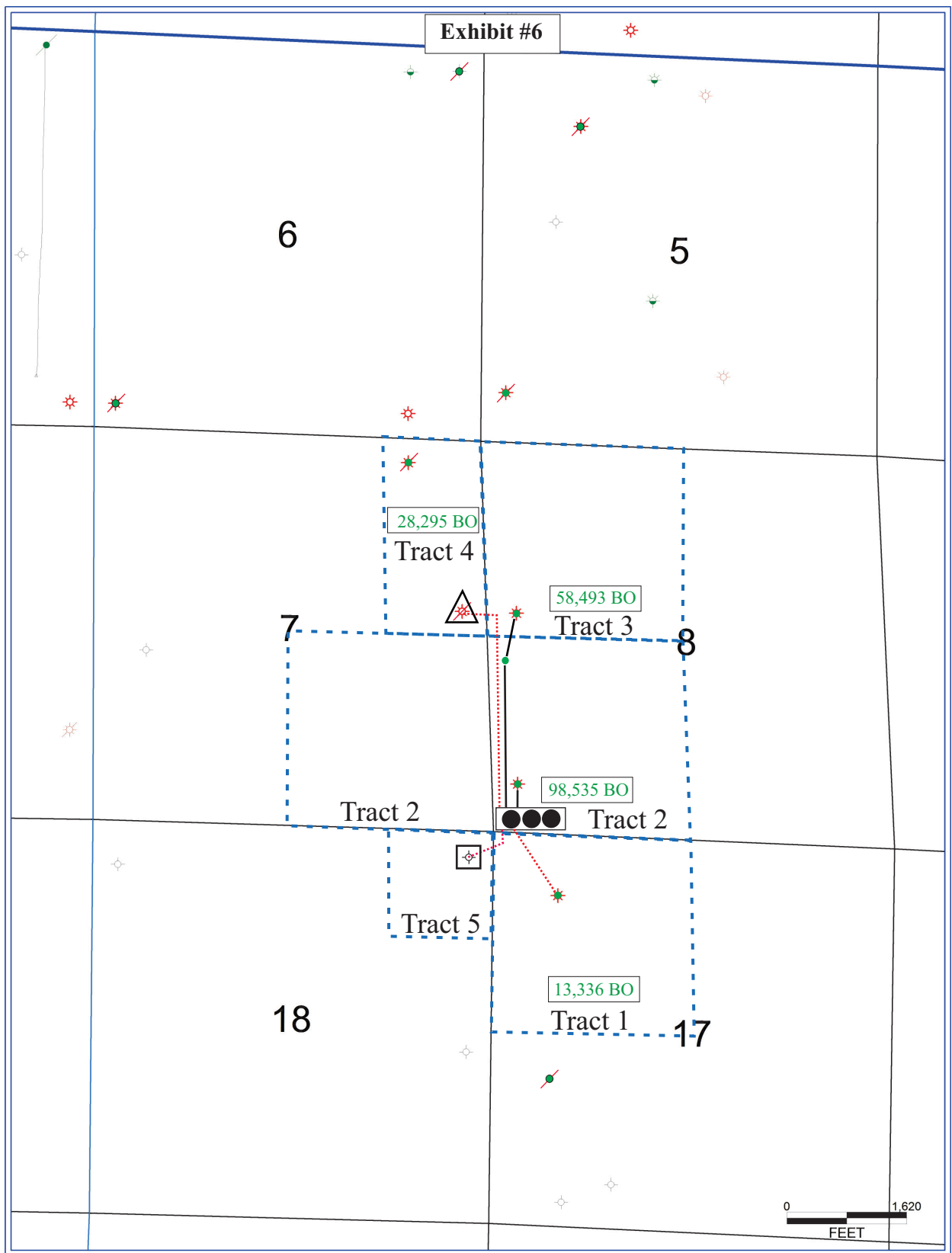


EXHIBIT #5
IRONS MORROW SAND UNIT
CLARK COUNTY, KANSAS

<u>Tract</u>	<u>Well</u>	<u>Location</u>	<u>Cumulative Oil</u>	<u>Daily Oil</u>	<u>Perforated Interval</u>
1	Byerly	NW/4 Sec 17	13,366	0	5318 – 24
2	Irons #1-8	SW/4 SW/4 Sec 8	98,535 (both wells)	0	5301 – 11
2	Irons Unit	NW/4 SW/4 Sec 8		1/2	5292-5304
3	Irons #3-8	NW/4 Sec 8	58,493	0	5277 – 85
4	Oshlo 'A'	E/2 NE/4 Sec 7	28,295	0	5270-77; Well P&A'd
5	Bair	NE/4 NE/4 Sec 18	0	0	None; Well P&A'd

ALL WELLS LOCATED IN
T30S – R24W



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Legend

- | | | | |
|--|--------------------------------|--|----------------|
| | Unitized Area | | Existing Lines |
| | Producing Well | | Proposed Lines |
| | Dry Hole | | |
| | Water Supply Well | | |
| | Injection Well to be Converted | | |

CANADAY OIL CORPORATION

Irons Morrow Sand Unit

Clark County, Kansas T30S-R24W

Planned Waterflood Diagram

Exhibit #6

BY: M. CANADAY/R. SAENZ

12/07/2023

Annual CashFlow Report

Project: C:\Users\Mickey\Documents\IHS\PowerTools\Projects v9.4\Canaday9.4.mdb

Summary Lease Report

Date	Well Count	Gross Production		Net Production		Average Prices		Sales Total (\$)
		Oil (Bbl)	Gas (Mcf)	Oil (Bbl)	Gas (Mcf)	Oil (\$/Bbl)	Gas (\$/Mcf)	
12/2024	1	239	0	191	0	65.00	0.00	12,412
12/2025	1	762	0	610	0	65.00	0.00	39,626
12/2026	1	24,523	0	19,618	0	65.00	0.00	1,275,201
12/2027	1	39,595	0	31,676	0	65.00	0.00	2,058,919
12/2028	1	31,543	0	25,235	0	65.00	0.00	1,640,248
12/2029	1	20,893	0	16,714	0	65.00	0.00	1,086,436
12/2030	1	15,597	0	12,478	0	65.00	0.00	811,052
12/2031	1	11,954	0	9,563	0	65.00	0.00	621,613
12/2032	1	9,824	0	7,859	0	65.00	0.00	510,858
12/2033	1	8,120	0	6,496	0	65.00	0.00	422,252
12/2034	1	6,712	0	5,369	0	65.00	0.00	349,014
12/2035	1	5,548	0	4,438	0	65.00	0.00	288,479
12/2036	1	4,585	0	3,668	0	65.00	0.00	238,443
12/2037	1	3,790	0	3,032	0	65.00	0.00	197,086
12/2038	1	3,133	0	2,506	0	65.00	0.00	162,902
Remainder:		4,730	0	3,784	0	65.00	0.00	245,941
Grand Total:		191,548	0	153,238	0	65.00	0.00	9,960,484

Date	Operating Expenses (\$)	Taxes (\$)	Operating Income (\$)	Other Costs (\$)	Periodic Cash Flow (\$)	Cumulative Cash Flow (\$)	8% Cash Flow (\$)
12/2024	72,000	551	-60,139	1,725,000	-1,785,139	-1,785,139	-1,783,285
12/2025	96,000	1,760	-58,134	0	-58,134	-1,843,273	-53,157
12/2026	96,000	56,625	1,122,577	0	1,122,577	-720,696	926,887
12/2027	96,000	91,426	1,871,494	0	1,871,494	1,150,797	1,454,402
12/2028	96,000	72,835	1,471,414	0	1,471,414	2,622,211	1,060,755
12/2029	96,000	48,243	942,193	0	942,193	3,564,405	628,555
12/2030	96,000	36,014	679,038	0	679,038	4,243,442	419,382
12/2031	96,000	27,602	498,011	0	498,011	4,741,453	284,671
12/2032	96,000	22,684	392,174	0	392,174	5,133,627	207,540
12/2033	96,000	18,750	307,502	0	307,502	5,441,129	150,689
12/2034	96,000	15,498	237,516	0	237,516	5,678,645	107,784
12/2035	96,000	12,810	179,669	0	179,669	5,858,314	75,505
12/2036	96,000	10,588	131,855	0	131,855	5,990,169	51,319
12/2037	96,000	8,752	92,335	0	92,335	6,082,504	33,288
12/2038	96,000	7,234	59,669	0	59,669	6,142,173	19,932
Remainder:	192,000	10,921	43,020	0	43,020	6,185,193	13,112
Grand Total:	1,608,000	442,291	7,910,193	1,725,000	6,185,193	6,185,193	3,597,379

Discount Present Worth:

0.00 %	6,185,193
10.00 %	3,143,789
20.00 %	1,537,995
30.00 %	590,963
40.00 %	-12,435
50.00 %	-419,156
60.00 %	-705,272
70.00 %	-913,419
80.00 %	-1,069,013
90.00 %	-1,187,968
100.00 %	-1,280,651

Economic Dates:

Effective Date	04/2024
Calculated Limit	12/2040
Economic Life	201 Months
	16 Years 9 Months

Economics Information:

Net Payout Date:	05/2027
Rate of Return:	39.75 %
Return on Investment:	4.59
Disc Return on Invest:	3.09

Economics Summary:

	Bbl Oil	Mcf Gas
Ultimate Gross	391,629	0
Historic Gross	198,653	0
Gross at Eff Date	200,081	0
Remaining Gross	191,548	0
Remaining Net	153,238	0

		NW/4 17-T30S-R24W		SE/4 7-T30S-R24W & SW/4 8-T30S-R24W		NW/4 8-T30S-R24W		E/2 NE/4 7-T30S-R24W		NE/4 NE/4 18-T30S-R24W		Tract Factors	
OWNERSHIP		Unit Tract 1 Factor		Unit Tract 2 Factor		Unit Tract 3 Factor		Unit Tract 4 Factor		Unit Tract 5 Factor		Totaled =	
		0.119100		0.490800		0.267500		0.119100		0.003500		1.00000000	
		GW	NRI / RI / ORRI	GW	NRI / RI / ORRI	GW	NRI / RI / ORRI	GW	NRI / RI / ORRI	GW	NRI / RI / ORRI	UNIT GW'S	UNIT NRI / RI / ORRI
Karen Lee Byerley Revocable Trust	GW	0.05955000										0.05955000	
	NRI		0.05210625										0.05210625
	RI		0.00744375										0.00744375
Louise Ann West	GW	0.05955000										0.05955000	
	NRI		0.05210625										0.05210625
	RI		0.00744375										0.00744375
Dana Homan Trust	GW			0.36810000		0.20062500		0.08932500				0.65805000	
	NRI				0.29957594		0.16300781		0.07815938				0.54074313
Lucinda Brothers	GW			0.04090000		0.02229167		0.00992500				0.07311667	
	NRI				0.03328622		0.01811198		0.00868438				0.06008257
Grant Canaday	GW			0.04090000		0.02229167		0.00992500				0.07311667	
	NRI				0.03328622		0.01811198		0.00868438				0.06008257
Patrick Canaday	GW			0.03578750		0.01950521		0.00868438				0.06397708	
	NRI				0.02912544		0.01584798		0.00759883				0.05257225
Cade Canaday	GW			0.00511250		0.00278646		0.00124063				0.00913958	
	NRI				0.00416078		0.00226400		0.00108555				0.00751032
B&F Family LP	RI				0.01533750								0.01533750
Billy Irons	RI				0.01533750		0.01671875						0.03205625
Kerry Irons	RI				0.01533750		0.01671875						0.03205625
Derby Rock LLC	RI				0.01533750		0.01671875						0.03205625
Richard Saenz	ORRI				0.01717800								0.01717800
Preston Saenz Trust	ORRI				0.00490800								0.00490800
Preston Saenz Jr	ORRI				0.00245400								0.00245400
Pat Seal Revocable Trust	ORRI				0.00547541								0.00547541
Cannon Family Investments Inc	RI							0.01488750					0.01488750
John Bair	GW									0.00070000		0.00070000	
	NRI										0.00061250		0.00061250
	RI										0.00008750		0.00008750
Linda & Edward Mahieu	GW									0.00070000		0.00070000	
	NRI										0.00061250		0.00061250
	RI										0.00008750		0.00008750
Mark & Michelle Mahieu	GW									0.00070000		0.00070000	
	NRI										0.00061250		0.00061250
	RI										0.00008750		0.00008750
O'Brien Family Trust of 2011 dated July 22, 2011	GW									0.00140000		0.00140000	
	NRI										0.00122500		0.00122500
	RI										0.00017500		0.00017500
TOTALS:		0.11910000	0.11910000	0.49080000	0.49080000	0.26750000	0.26750000	0.11910000	0.11910000	0.00350000	0.00350000	1.00000000	1.00000000

CANADAY OIL CORPORATION

Irons Morrow Sand Unit

Clark County, Kansas T30S-R24W

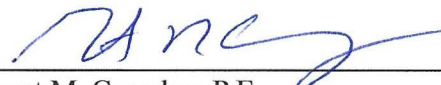
Ownership List

Exhibit #8

VERIFICATION

STATE OF OKLAHOMA)
)
COUNTY OF TULSA)

Grant M. Canaday, of lawful age, being first duly sworn upon oath states that he is the Grant M. Canaday referred to in the foregoing document titled "Prefiled Testimony of Grant M. Canaday, P.E." before the State Corporation Commission of the State of Kansas, that he is the owner of Canaday Oil Corporation, and that the statements therein were prepared by him or under his direction and are true and correct to the best of his information, knowledge, and belief.

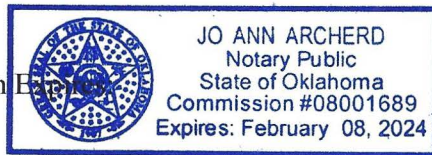


Grant M. Canaday, P.E.

SUBSCRIBED AND SWORN TO before me this 11th day of December, 2023.

My Commission Expires

2/08/24





Notary Public

CERTIFICATE OF SERVICE

I hereby certify that on this 12th day of December, 2023, I caused true and correct copies of the foregoing Prefiled Testimony of Grant M. Canaday, P.E. to be electronically filed with the Conservation Division of the State Corporation Commission of the State of Kansas, and caused true and correct copies of the same to be mailed via electronic mail to:

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