

DHC-99

SAMEDAN OIL CORPORATION
2207 WILCO BUILDING
MIDLAND, TEXAS 79701

Rec Nov 15

RECEIVED

October 25, 1971

OCT 26 1971

OIL CONSERVATION COMMISSION
SANTA FE

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: Application for Down-Hole
Commingling

Gentlemen:

Samedan Oil Corporation respectfully requests authority to down-hole commingle our Parks Well No. 2. The following information is submitted in compliance with Order No. R-3845:

- (A) Samedan Oil Corporation
2207 Wilco Building
Midland, Texas 79701
 - (B) Parks No. 2, Unit M, 450' FSL and 520' FWL, Sec. 14, T-22-S,
R-37-E, Lea County, New Mexico
 - (C) Drinkard Pool and Paddock Pool, Order No. MC-1923
 - (D) See Form C-116 attached
 - (E) See decline curves attached
 - (F) Estimated bottom-hole pressure: Paddock Zone 90 p.s.i.
Drinkard Zone 105 p.s.i.
 - (G) There should be no fluid compatibility problems. There is little difference when comparing the gravity and gas-oil ratio of each zone. The produced waters of each zone are compatible in that their commingling has not resulted in the formation of scale.
 - (H) Value of individual streams: Paddock 3 bbls/day x \$3.44/bbl. = \$10.32/day
Drinkard 10 bbls/day x 3.50/bbl. = 35.00/day
- | | |
|-----|-------------|
| SUM | \$45.32/day |
|-----|-------------|

Value of commingled production: 13bbls/day x \$3.50/bbl. = \$45.50

Above computations based on following data:

Paddock Oil @ 34.5 gravity - \$3.44/bbl.
Drinkard Oil @ 37.9 gravity - 3.50/bbl.
Commingled Oil @ 37.3 gravity - 3.50/bbl.

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New Mexico Oil Conservation Commission

Page 2

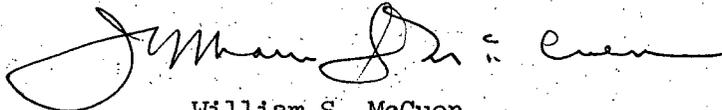
October 25, 1971

OIL CONSERVATION COMM.
CARTERS

- (I) All offset operators notified by a copy of this application. List of offset operators attached.

Sincerely,

SAMEDAN OIL CORPORATION



William S. McCuen
Division Engineer

WSM:ls

Enclosures

cc Offset Operators
NOCC - Hobbs, NM

OFFSET OPERATORS

Continental Oil Company
P. O. Box 431
Midland, Texas 79701

Texas Pacific Oil Company
P. O. Box 4067
Midland, Texas 79701

Amerada Petroleum Corporation
P. O. Box 312
Midland, Texas 79701

Gulf Oil Corporation
P. O. Box 1150
Midland, Texas 79701

Phillips Petroleum Company
P. O. Box 791
Midland, Texas 79701

Atlantic Richfield
P. O. Box 1610
Midland, Texas 79701

Millard Deck
Eunice Well Service
P. O. Box 988
Eunice, New Mexico 88231

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Samedan Oil Corporation		Pool Drinkard Pool		County Lea										
Address 2207 Wilco Building, Midland, Texas 79701				TYPE OF TEST - (X)	Scheduled <input type="checkbox"/>	Completion <input type="checkbox"/>	Special <input checked="" type="checkbox"/>							
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL	
		U	S	T						R	WATER BBLs.	GRAV. OIL BBLs.		OIL BBLs.
Parks	2	M	14	22-S	37-E	10-1-71	F		24	1	37.9	10	40	4,000

No well will be assigned an allowable greater than the amount of oil produced on the official test.
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.
 Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.
 Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Wm. S. McCuen
 Wm. S. McCuen, Division Engineer

October 25, 1971

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Samedan Oil Corporation Pool Paddock Pool County Lea
Address 2207 Wilco Building, Midland, Texas 79701

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)	SCHEDULED <input type="checkbox"/>	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PRODUCTION DURING TEST			GAS - OIL RATIO CU. FT./BBL.
		U	S	T						R	WATER BBLs.	GRAV. OIL BBLs.	
Parks	2	M	14	22-S 37-E	10-5-71	P		24	5	34.5	3	11	3667

No well will be assigned an allowable greater than the amount of oil produced on the official test.
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.
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I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Wm. S. McCuen
(Signature)

Wm. S. McCuen, Division Engineer

October 25, 1971
(Date)

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OPERATOR	

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.



1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____

7. Unit Agreement Name

8. Farm or Lease Name
Parks

2. Name of Operator
Samedan Oil Corporation

9. Well No.
2

3. Address of Operator
2207 Wilco Building, Midland, Texas 79701

10. Field and Pool, or Wildcat
Paddock & Drinkard

4. Location of Well
UNIT LETTER **M** LOCATED **450'** FEET FROM THE **South** LINE AND **520'** FEET FROM



THE **West** LINE OF SEC. **14** TWP. **22-S** RGE. **37-E** NMPM

12. County
Lea

15. Date Spudded **8-8-47** 16. Date T.D. Reached **10-22-47** 17. Date Compl. (Ready to Prod.) **10-28-47** 18. Elevations (DF, RKB, RT, GR, etc.) **3337' G.L.** 19. Elev. Casinghead **3338'**

20. Total Depth **7324'** 21. Plug Back T.D. **--** 22. If Multiple Compl., How Many **Two Zones** 23. Intervals Drilled By **O-T.D.** Rotary Tools Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
Drinkard Zone: 6420' to 7324'
Paddock Zone: 5060' to 5128'

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
None

27. Was Well Cored
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	276'	17 1/4"	150 sx.	
9 5/8"	28#	3650'	12 1/4"	1500 sx.	
7"	26#	7302'	8 3/4"	500 sx.	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
5"	5305'	5580'					5305' & 5580'

31. Perforation Record (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Drinkard Zone: 6420' to 6424' (22 1/2")	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6428' to 6446'	9000 gals. acid	
Paddock Zone: 5060' to 5128' (12 3/8")	& 18,000# sand	6420' to 6446' (10-28-47)
	4500 gals. acid	5060' to 5128' (8-24-70)

33. PRODUCTION

Date First Production **10-10-71** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pumping - 2" x 1 1/4" x 16'** Well Status (Prod. or Shut-in) **Producing**

Date of Test **10-19-71** Hours Tested **24** Choke Size **--** Prod'n. For Test Period **22** Oil - Bbl. **208** Gas - MCF **44** Water - Bbl. **9,450-1** Gas - Oil Ratio

Flow Tubing Press. **--** Casing Pressure **--** Calculated 24-Hour Rate **22** Oil - Bbl. **208** Gas - MCF **44** Water - Bbl. **37.3** Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) **Sold** Test Witnessed By

35. List of Attachments
C-103

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED **Wm. S. McCuen** TITLE **Division Engineer** DATE **10-25-71**

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Samedan Oil Corporation	8. Farm or Lease Name Parks
3. Address of Operator 2207 Wilco Building, Midland, Texas 79701	9. Well No. 2
4. Location of Well UNIT LETTER <u>M</u> <u>450'</u> FEET FROM THE <u>South</u> LINE AND <u>520'</u> FEET FROM THE <u>West</u> LINE, SECTION <u>14</u> TOWNSHIP <u>22-S</u> RANGE <u>37-E</u> NMPM.	10. Field and Pool, or Wildcat Paddock & Drinkard
15. Elevation (Show whether DF, RT, GR, etc.) 3337' G.L.	12. County Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Application was made and permission granted (Order No. MC-1923) to dual complete the Drinkard and Paddock Zones. The Drinkard was temporarily isolated to test the Paddock Formation. McCullough Services perforated the Paddock from 5060' to 5128' at selected intervals. (Total of 12 3/8" holes). Acidized perforations 5060' to 5128' w/4,500 gallons 15% acid. Production has stabilized at approximately 4 barrels per day from the Paddock Zone. Application is now being made for Down-Hole Commingling.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Wm. S. McCuen TITLE Division Engineer DATE 10-25-71

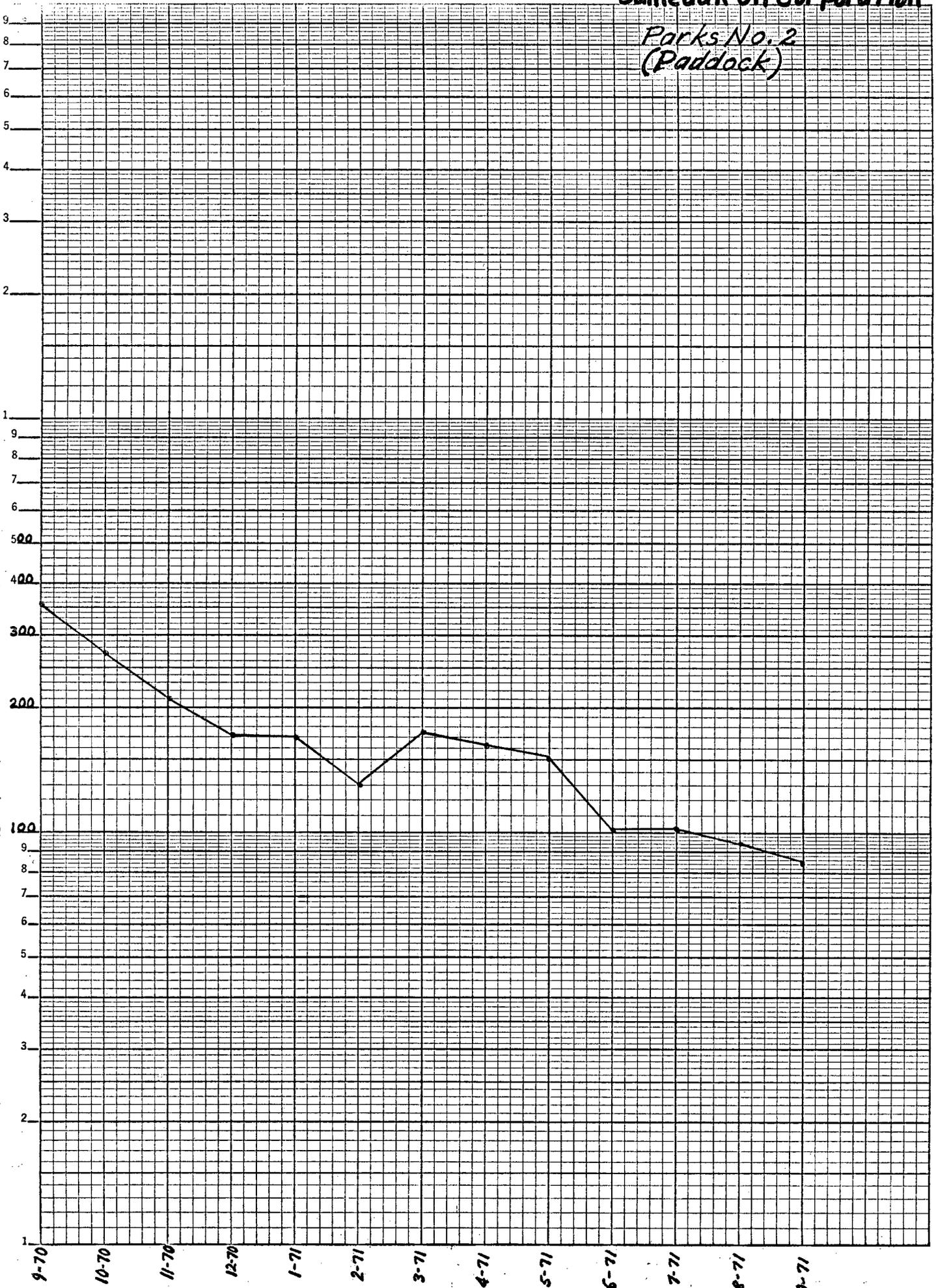
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

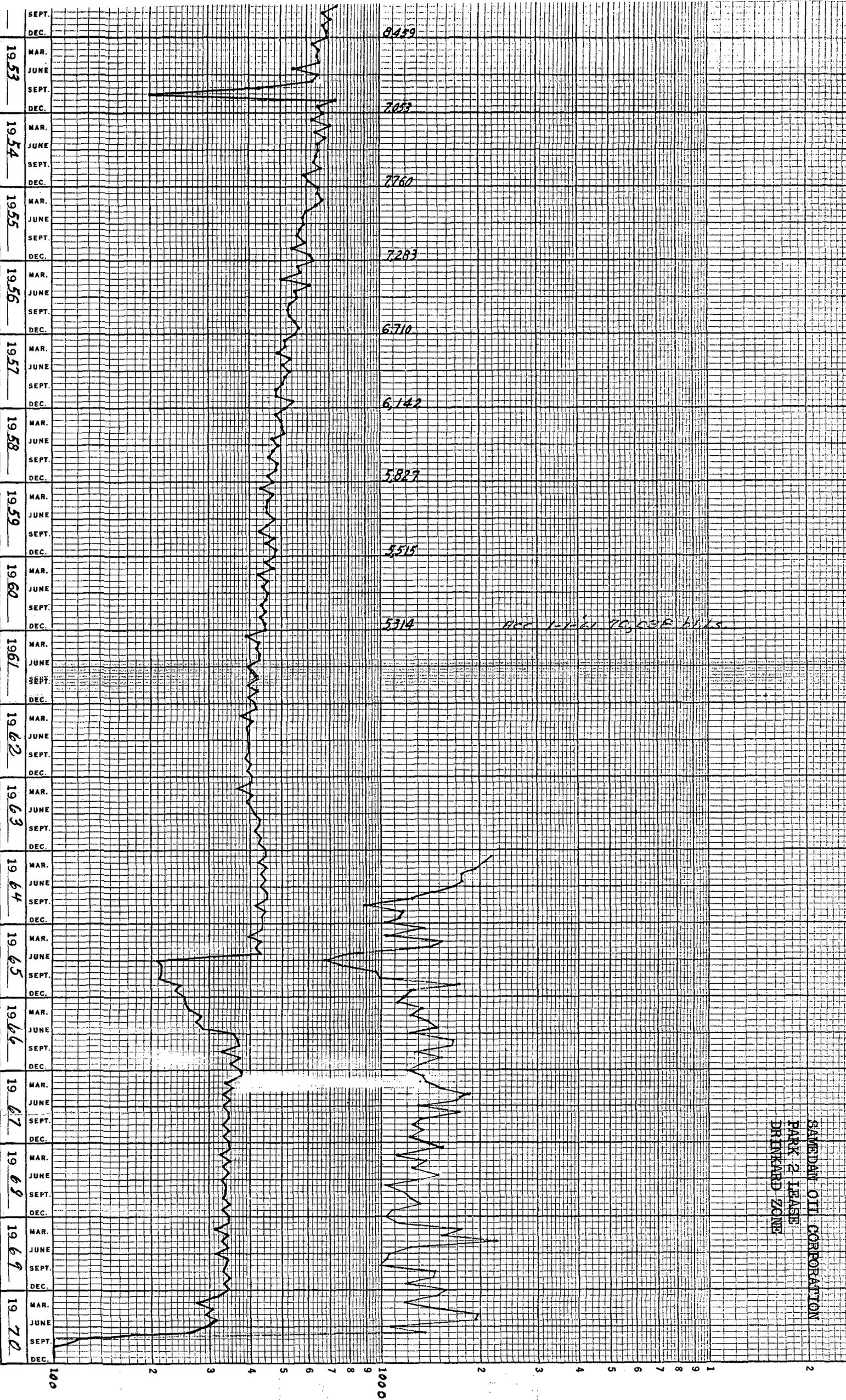
Samedan Oil Corporation

Parks No. 2
(Paddock)

KE SEMI-LOGARITHMIC 46 5490
3 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.

BOPM





ACC 1-1-61 90,000 B.L.S.

SAMUDAN OIL CORPORATION
 PARK 2 LEASE
 DRILLING ZONE