

OIL CONSERVATION DIVISION
P. O. Box 2088
SANTA FE, NEW MEXICO
87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

ADMINISTRATIVE ORDER
NFL 26

INFILL DRILLING FINDINGS PURSUANT TO
SECTION 271.305(b) OF THE FEDERAL ENERGY REGULATORY
COMMISSION REGULATIONS, NATURAL GAS POLICY ACT OF 1978
AND OIL CONSERVATION DIVISION ORDER NO. R-6013-A

I.
Operator Sun Oil Company Well Name and No. J. A. Akens Well No. 11
Location: Unit R Sec. 3 Twp. 21S Rng. 36E Cty. Lea

II.
THE DIVISION FINDS:

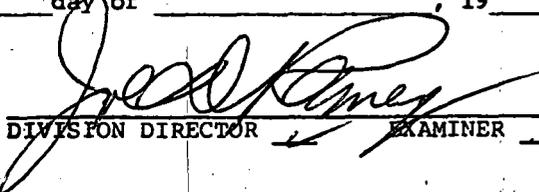
- (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.
- (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.
- (3) That the well for which a finding is sought is completed in the Oil Center-Blinebry Pool, and the standard spacing unit in said pool is 80 acres.
- (4) That a 80 -acre proration unit comprising the W/2 SE/4 of Sec. 3, Twp. 21S, Rng. 36E, is currently dedicated to the J. A. Akens Well No. 8 located in Unit W of said section.
- (5) That this proration unit is () standard () nonstandard; if nonstandard, said unit was previously approved by Order No. _____.
- (6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.
- (7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 282,454 MCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.
- (9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

(1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on this 9th day of April, 19 81.


DIVISION DIRECTOR EXAMINER

INFILL DRILLING FINDINGS PURSUANT TO
SECTION 271.305(b) OF THE FEDERAL ENERGY REGULATORY
COMMISSION REGULATIONS, NATURAL GAS POLICY ACT OF 1978
AND OIL CONSERVATION DIVISION ORDER NO. R-6013-A

I.
Operator Sun Oil Company Well Name and No. JFA Akens Well No 11
Location: Unit R Sec. 3 Twp. 21 S Rng. 36 E Cty. Lea

II.

THE DIVISION FINDS:

(1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.

(2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.

(3) That the well for which a finding is sought is to be completed in the Oil Center-Blindery Pool, and the standard spacing unit in said pool is eighty acres.

(4) That a eighty-acre proration unit comprising the W 1/2 SE 1/4 of Sec. 3, Twp. 21 S, Rng. 36 E, is currently dedicated to the JFA Akens Well No 8 located in Unit W of said section.

(5) That this proration unit is (X) standard () nonstandard; if nonstandard, said unit was previously approved by Order No. _____.

(6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.

(7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 282,454 MCF of gas from the proration unit which would not otherwise be recovered.

(8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.

(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

(1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on this _____ day of _____, 19_____.

DIVISION DIRECTOR _____ EXAMINER _____

KELLAHIN and KELLAHIN

Attorneys at Law

500 Don Gaspar Avenue

Post Office Box 1769

Santa Fe, New Mexico 87501

Jason Kellahin
W. Thomas Kellahin
Karen Aubrey

Telephone 982-4285
Area Code 505

April 6, 1981

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87503

ATTENTION: Richard L. Stamets

RE: Sec. 103 Determination NGPA
J. A. Akens Well No. 11
Oil Center Blinebry Pool
Lea County, New Mexico

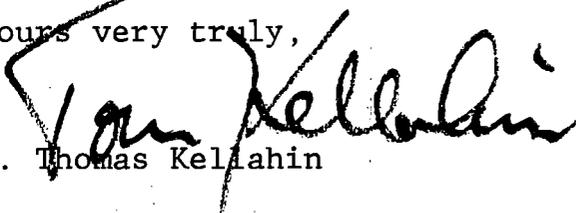
Dear Dick:

Please process this application on behalf of Sun Oil Company pursuant to Order R-6013-A for administrative approval of Section 103 NGPA Determination for this well. We are enclosing the following exhibits in duplicate.

1. Copy of approved Form C-101 and Form C-102.
2. Structure Contour map and Stratigraphic Cross Section with explanation.
3. Formula regarding increased ultimate recovery from Well No. 11.
4. Production Graph and Summary Well No. 8.
5. Production Graph and Summary Well No. 11.

If additional information is desired, please advise.

Yours very truly,


W. Thomas Kellahin

WTK:jm
Enclosures



30-025-2674

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

Original
File Copy

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work
 a. Type of Well DRILL DEEPEN PLUG BACK
 b. Type of Well OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

7. Unit Agreement Name

8. Farm or Lease Name

Akens, J. A.

9. Well No.

11

10. Field and Pool, or Wildcat

Oil Center - Blinebry

2. Name of Operator
Sun Oil Company

3. Address of Operator
P. O. Box 1861 Midland, Texas 79702

4. Location of Well UNIT LETTER XR LOCATED 1980 FEET FROM THE South LINE

AND 2164 FEET FROM THE East LINE OF SEC. 3 TWP. 21S RGE. 36E N14PM

12. County

Lea

19. Proposed Depth 6300'	19A. Formation Blinebry	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3551.3' GL	21A. Kind & Status Plug. Bond on file	21B. Drilling Contractor unknown
		22. Approx. Date Work will start upon approval

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8-5/8"	24#	1300'	600	Surf.
7-7/8"	5-1/2"	14 & 15.5#	6300'	1080	1200'
		DV Tool	3900'		

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Doris Williams Title Accounting Assistant Date March 17, 1980

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE MAR 20 1980

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

Operator Sun Oil Co.		Lessee J.A. Akens		Well No. 11
Tract Letter + R	Section 3	Range 21 South	Row 36 East	County Lea

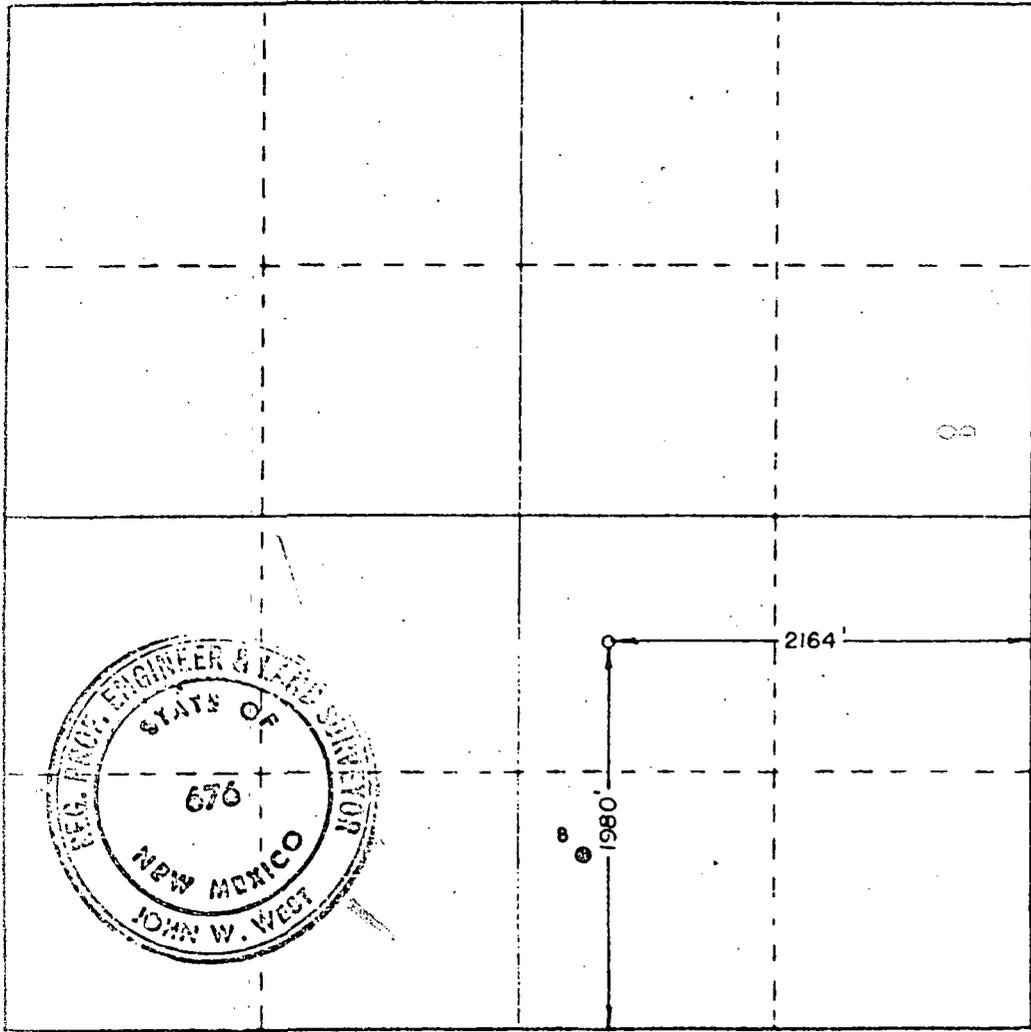
Acres of Surface Location of Well:
1980 feet from the **South** line and **2164** feet from the **East** line

Ground Level Elev. 3551.3	Producing Formation Blinebry	Pool Oil Center - Blinebry	Dedicated Acreage: 80 Acres
-------------------------------------	--	--------------------------------------	---------------------------------------

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
 Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

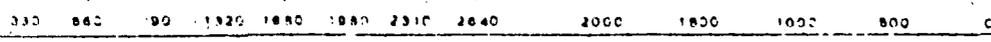
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Doris Williams
Name
Accounting Assistant
Position
Sun Oil Company
Company
March 17, 1980
Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date of Report
March 5, 1980

Registered Professional Engineer
John W. West
JOHN W. WEST 676
PATRICK A. ROMERO 6888
Ronald J. Edson 3239



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OPERATOR	

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.

OIL WELL GAS WELL OTHER

Name of Operator
Sun Oil Company

Address of Operator
P. O. Box 1861 Midland, Texas 79702

Location of Well
UNIT LETTER R 1980 FEET FROM THE South LINE AND 2164 FEET FROM
THE East LINE, SECTION 3 TOWNSHIP 21S RANGE 36E N.M.P.M.

3a. Indicate Type of Lease
State Free

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No.
Akens, J. A. #11

10. Field and Pool, or Wildcat
Oil Center - Blinebry

12. County
Lea

15. Elevation (Show whether DF, RT, GR, etc.)
3551.3' GL

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
APPROPRIATE REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPERATIONS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
WELL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER <input type="checkbox"/>		OTHER <input type="checkbox"/>	

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1105.

- 28-80 MIRU Hillin
- 29-80 Spud 11 PM
- 31-80 Ran 8-5/8" 24# csg @ 1290'. Cmtd w/400 sx Howco Lite. 200 sx Class "C" 2% CaCl2 1/4# FCL. Circ. 100 sx.
- 16-80 Ran 5-1/2" 14 & 15.5# csg @ 6300'. Howco cmtd. 1 stage w/600 sx "H" 50-50 Poz "A" w/2% gel, 5# salt, 0.5% CFR-2. Cmtd 2nd stage w/1250 sx Howco Lite w/15-1/2# salt, 3# Gilsor 1/4# FCL. 100 sx Class "C" 3# salt. Circ 75 sx cmt to surface.

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

BY Terresa Bradley TITLE Accounting Assistant DATE 7-14-80

APPROVED BY _____ TITLE _____ DATE _____
NOTATIONS OF APPROVAL, IF ANY

J. A. Akens #11 N.G.P.A.
EXHIBIT #1

Exhibit #1 is composed of a structure contour map on the top of the Blinebry Formation and a Stratigraphic cross section through the Blinebry interval of the two wells on the 80 acre proration unit.

The scale of the structure map is 1"=100' and the contour interval is 25'. Sun's J. A. Akens lease is outlined in yellow and the completed zones of the wells are color coded as per the legend in the lower left hand corner. The subject well is indicated with a red arrow and the 80 acre proration unit is outlined with hashures. J. A. Akens #11 is 7' structurally high to the J. A. Akens #8.

The vertical scale of the cross section is 1"= 100' and there is no horizontal scale. Porosity zones are colored red. There is approximately 43' of porosity that is not common to both wells. As a result of this, there is partial lack of reservoir continuity and it appears that the previously existing well (#8) would not effectively and efficiently drain the portion of the reservoir covered by the proration unit.

SUN OIL COMPANY
J.A. AKENS NO. 11
OIL CENTER - BLINEBRY POOL
LEA COUNTY, NEW MEXICO

Spud Date: July 28, 1980
Completion Date: September 13, 1980

Well Test (January 6, 1981)

16 BBL Oil Per Day
12 BBL Water Per Day
59 MCF Gas Per Day

The J. A. Akens No. 8, the older well on the proration unit, would not recover the oil and gas being recovered by the new well, J.A. Akens No. 11, due to reservoir discontinuity. This lack of continuity of porosity is shown on the attached cross section which indicates that J.A. Akens No. 11 has some 31 feet of pay porosity which is not present in J.A. Akens No. 8. The lack of continuity is also shown by the attached production decline curve of J.A. Akens No. 8. The curve indicates that the production from No. 8 has not been affected by the completion of No. 11.

The volume of increased ultimate recovery expected to be obtained from Akens No. 11 is 45,631 BBLs of oil and 282,454 MCF of gas. These volumes are based on the 31 feet of net pay present in Akens 11 which is not present in Akens 8 and the following formulas.

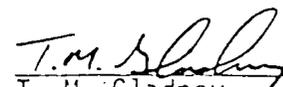
Recoverable bbls of oil = Original oil in place times recovery factor of 0.15

$$\begin{aligned} \text{OOIP} &= \frac{7758 \text{ BBL/ AF} \times 40\text{AC} \times 31 \text{ FEET} \times .076 \text{ POROSITY} \times (1-.405) \text{ SATURATION}}{1.43 \text{ OIL FORMATION VOL FACTOR}} \\ &= 304,205 \text{ STB} \end{aligned}$$

$$\text{Recoverable oil} = 304,205 \times 0.15 = 45,631 \text{ STB}$$

$$\begin{aligned} \text{Recoverable gas} &= \frac{304,205 \text{ STB} (1238 \text{ CF/B SOLN RATIO}) \times 0.75 \text{ RECOVERY FACTOR}}{1000} \\ &= 282,454 \text{ MCF} \end{aligned}$$

Prepared by:

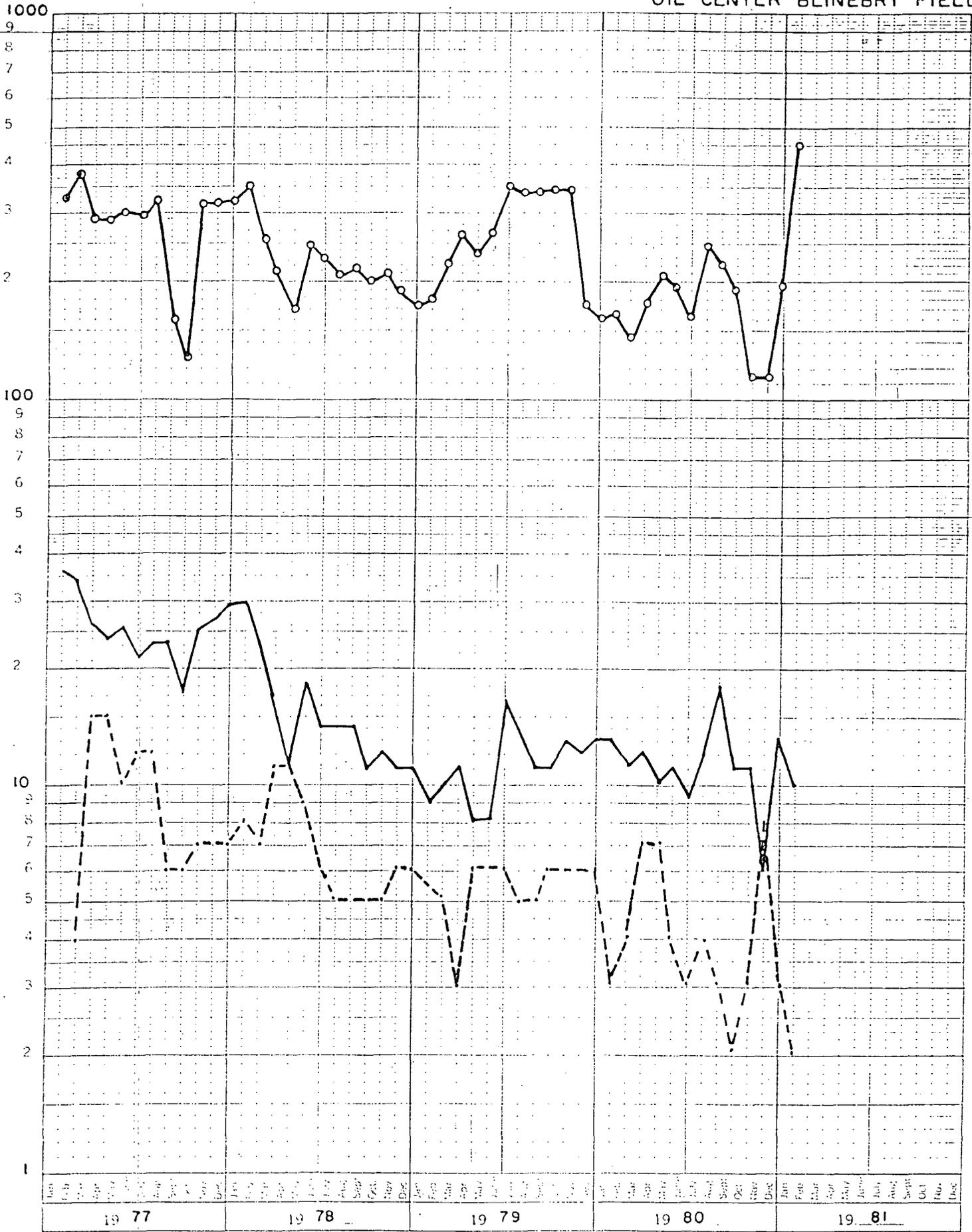

T. M. Gladney

SUN OIL CO.
JA AKENS No. 8
OIL CENTER BLINEBRY FIELD

CASE NO.

46 6690

K&E
1 YEARS BY MONTHS TO LOG CYCLES
KEUFEL & ESSER CO. MEMPHIS, TENN.



Oil ——— BOPD Wtr. ——— BWPD Gas ——— MCF/D

J.A. AKENS #8
OIL CENTER - BLINEBRY FIELD
LEASE # 401150
PRODUCTION SUMMARY: 1981

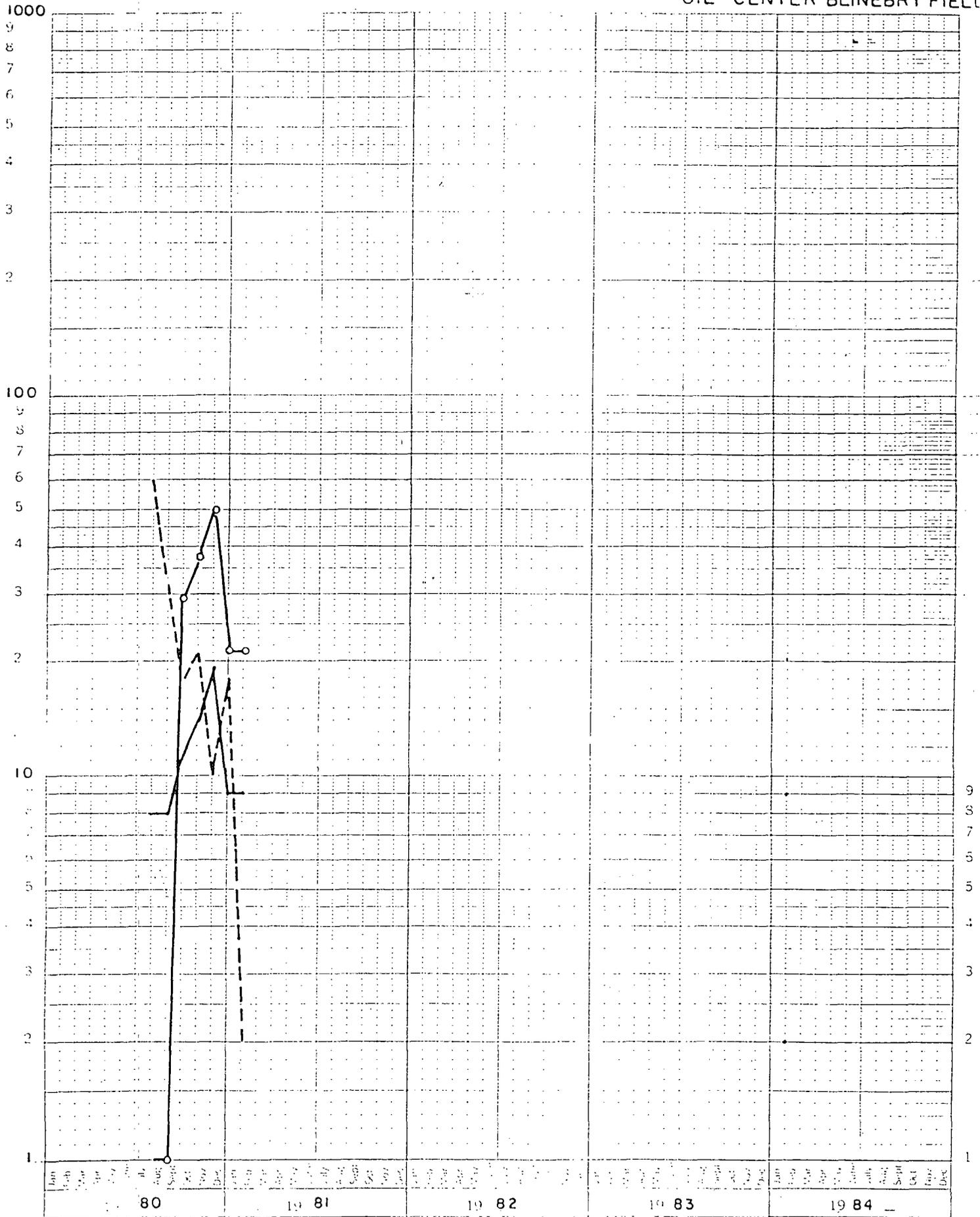
	J.A. AKENS #8	BOPD	BEPD	MCF/D
1981	JANUARY	10	2	145
	FEBRUARY			
	MARCH			
	APRIL			
	MAY			
	JUNE			
	JULY			
	AUGUST			
	SEPTEMBER			
	OCTOBER			
	NOVEMBER			
	DECEMBER			

CASE NO. _____

SUN OIL CO.
JA AKENS NO. 11
OIL CENTER BLINEBRY FIELD

46 6690

1000
6 YEARS BY MONTHS + 2 LOG CYCLES
KEU/FIELD & ESSIP CO. 10/10/80



Oil ——— BOPD

Wtr. ——— BWPD

Gas ——— MCF/D

J.A. AKENS #8
 OIL CENTER - BLINEBRY FIELD
 LEASE # 401150
 PRODUCTION SUMMARY: 1976-1980

	J.A. AKENS #8	BOPD	BWPD	MCF/D
1977	JANUARY	36	4	323
	FEBRUARY	34	4	374
	MARCH	26	15	287
	APRIL	24	15	287
	MAY	25	10	299
	JUNE	21	12	290
	JULY	23	12	315
	AUGUST	23	6	160
	SEPTEMBER	17	6	125
	OCTOBER	25	7	317
	NOVEMBER	27	7	315
	DECEMBER	29	7	313
1978	JANUARY	29	8	347
	FEBRUARY	23	7	247
	MARCH	17	11	210
	APRIL	11	11	167
	MAY	18		243
	JUNE	14	6	13
	JULY	14	5	206
	AUGUST	14	5	212
	SEPTEMBER	11	5	199
	OCTOBER	12	5	207
	NOVEMBER	11	6	185
	DECEMBER	11	6	171
1979	JANUARY	9	6	177
	FEBRUARY	10	5	216
	MARCH	11	3	260
	APRIL	8	6	232
	MAY	8	6	265
	JUNE	16	6	344
	JULY	14	5	335
	AUGUST	11	5	340
	SEPTEMBER	11	6	34
	OCTOBER	13	6	340
	NOVEMBER	12	6	172
	DECEMBER	13	6	160
1980	JANUARY	13	3	165
	FEBRUARY	11	4	141
	MARCH	12	7	175
	APRIL	10	7	201
	MAY	11	4	193
	JUNE	9	3	159
	JULY	12		219
	AUGUST	18		246
	SEPTEMBER	11	2	186
	OCTOBER	11	3	189
	NOVEMBER	6	8	112
	DECEMBER	13	3	192

J.A. AKENS #11
 OIL CENTER - BLINEBRY FIELD
 LEASE #401150
 PRODUCTION SUMMARY: 1980-1981

	BOPD	BWPD	MGF/D
J.A. AKENS #11			
1980	JANUARY		
	FEBRUARY		
	MARCH		
	APRIL		
	MAY		
	JUNE		
	JULY	8	60
	AUGUST	8	32
	SEPTEMBER	11	18
	OCTOBER	14	21
	NOVEMBER	19	10
	DECEMBER	9	18
			0
			0
			29
			38
			50
			21
1981	JANUARY	9	2
	FEBRUARY		
	MARCH		
	APRIL		
	MAY		
	JUNE		
	JULY		
	AUGUST		
	SEPTEMBER		
	OCTOBER		
	NOVEMBER		
	DECEMBER		
			21



SUN PRODUCTION COMPANY

CAMPBELL CENTRE II, P.O. BOX 2880, DALLAS, TEXAS 75221

March 18, 1981

Kellahin and Kellahin
500 Don Gaspar Avenue
P.O. Box 1769
Santa Fe, New Mexico 87501

Attention: Mr. Tom Kellahin

Re: Sec. 103 Determination NGPA
J. A. Akens Well No. 11
Oil Center Blineby Pool
Lea County, New Mexico

Dear Tom:

Your letter of January 23, 1981, advised the above well was subject to Order R-6013-A and could receive administrative approval. We are enclosing the following exhibits in triplicate. Two copies for the Oil Conservation Division and one copy for your files.

1. Copy of approved Form C-101 and Form C-102.
2. Structure Contour map and Stratigraphic Cross Section with explanation.
3. Formula regarding increased ultimate recovery from Well No. 11.
4. Production Graph and Summary Well No. 8.
5. Production Graph and Summary Well No. 11.

Please note this application is for Sun Oil Company and not Sun Gas Company. We are only authorized to do business with the Regulatory agency as Sun Oil Company.

If additional information is desired, please advise.

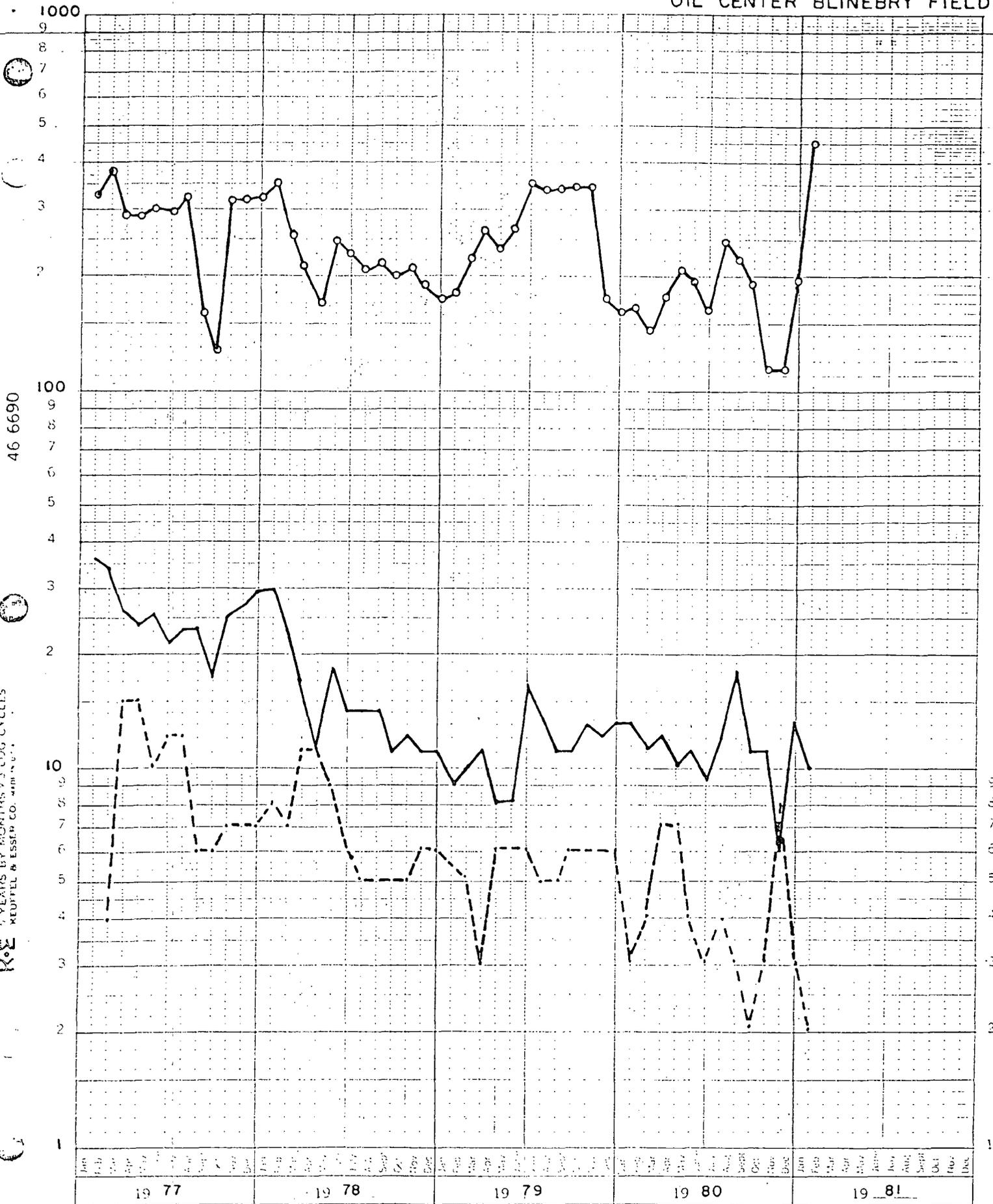
Yours very truly,


J. T. Power
by J. T. Harris

JTP:JTH: cb

SUN OIL CO.
JA AKENS No. 8
OIL CENTER BLINEBRY FIELD

CASE NO.



46 6690

K&S
5 YEARS BY MONTHS & 3 LOG CYCLES
KEUFFEL & ESSER CO. 4111 N. 10th St.

Oil ——— BOPD Wtr. ——— BWPD Gas ——— MCF/D

J.A. AKENS #8
OIL CENTER - BLINEBRY FIELD
LEASE # 401150
PRODUCTION SUMMARY: 1981

	J.A. AKENS #8	BOPD	BE PD	MCF/D
1981	JANUARY	10	2	145
	FEBRUARY			
	MARCH			
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	AUGUST			
	SEPTEMBER			
	OCTOBER			
	NOVEMBER			
	DECEMBER			

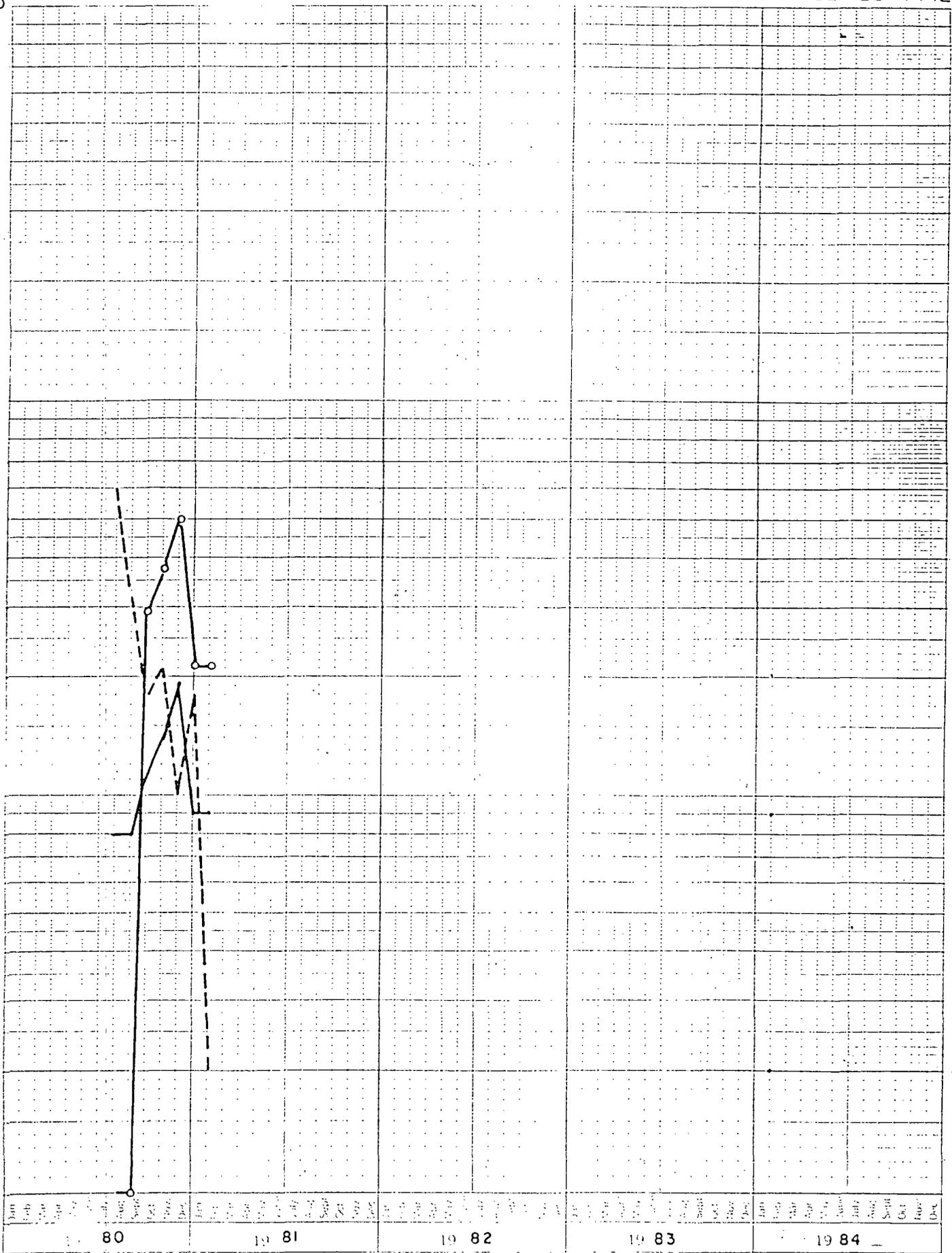
CASE NO.

EXHIBIT No. _____
SUN OIL CO.
JA AKENS NO. 11
OIL CENTER BLINEBRY FIELD

46 6690

5 YEARS BY MONTHS - 3 LOG CYCLES
KEUPPEL & ESSIP CO. 1980-1984

1000
9
8
7
6
5
4
3
2
100
9
8
7
6
5
4
3
2
10
9
8
7
6
5
4
3
2
1



Oil — BOPD Wtr. — BWPD Gas — MCF/D

J.A. AKENS #8
 OIL CENTER - BLINEBRY FIELD
 LEASE # 401150
 PRODUCTION SUMMARY: 1976-1980

	J.A. AKENS #8	BOPD	BWPD	MCF/D
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	AUGUST	18		246
	SEPTEMBER	11	2	186
	OCTOBER	11	3	189
	NOVEMBER	6	8	112
	DECEMBER	13	3	192

J.A. AKENS #11
 OIL CENTER - BLINEBRY FIELD
 LEASE #401150
 PRODUCTION SUMMARY: 1980-1981

	BOPD	BWPD	MGF/D
1980			
J.A. AKENS #11			
JANUARY			
FEBRUARY			
MARCH			
APRIL			
MAY			
JUNE			
JULY	8	60	0
AUGUST	8	32	0
SEPTEMBER	11	18	29
OCTOBER	14	21	38
NOVEMBER	19	10	50
DECEMBER	9	18	21
1981			
JANUARY	9	2	21
FEBRUARY			
MARCH			
APRIL			
MAY			
JUNE			
JULY			
AUGUST			
SEPTEMBER			
OCTOBER			
NOVEMBER			
DECEMBER			

30-025-2674

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

Original
File Copy

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 b. Type of Well DRILL DEEPEN PLUG BACK
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

7. Unit Agreement Name

8. Firm or Lease Name
Akens, J. A.

2. Name of Operator
Sun Oil Company

9. Well No.
11

3. Address of Operator
P. O. Box 1861 Midland, Texas 79702

10. Field and Pool, or Wildcat
Oil Center - Blinebr

4. Location of Well
UNIT LETTER AR LOCATED 1980 FEET FROM THE South LINE
AND 2164 FEET FROM THE East LINE OF SEC. 3 TWP. 21S RGE. 36E N1412M

12. County
Lea

19. Proposed Depth 6300'	19A. Formation Blinebry	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, KI, etc.) 3551.3' GL	21A. Kind & Status Plug. Bond on file	21B. Drilling Contractor unknown
		22. Approx. Date Work will start upon approval

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8-5/8"	24#	1300'	600	Surf.
7-7/8"	5-1/2"	14 & 15.5#	6300'	1080	1200'
		DV Tool	3900'		

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. CIVIL BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Doris Williams Title Accounting Assistant Date March 17, 1980

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE MAR 20 1980

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

Sun Oil Co.		Lessee		J.A. Akens		Well No.		11		
Section	3	Tract or Well	21 South	Range	36 East	County				Leo

Actual Well Location of Well:

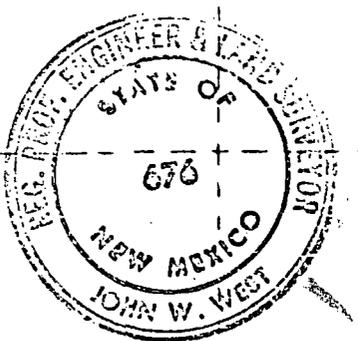
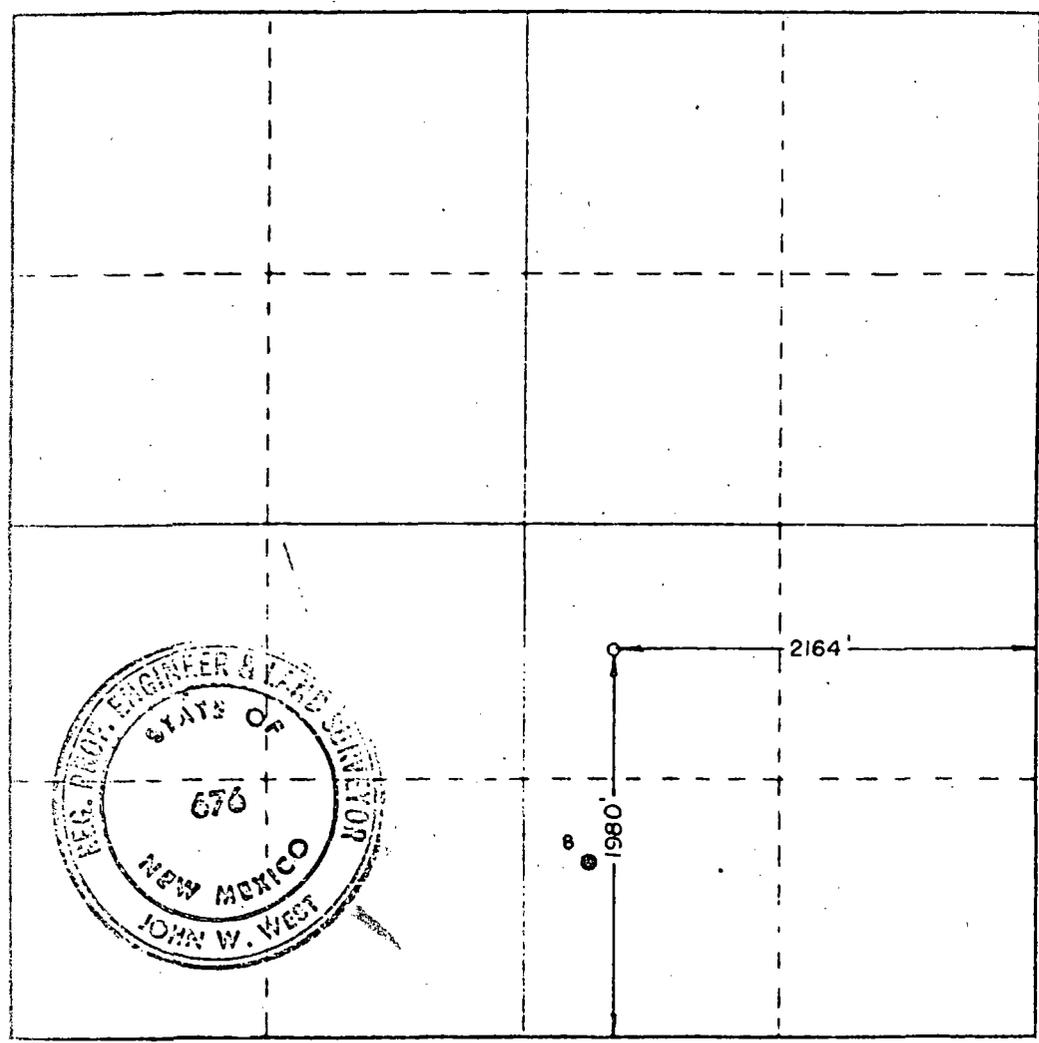
1990 feet from the South line and 2164 feet from the East line

Ground Level Elev.	Producing Formation	Well	Dedicated Acreage
3551.3	Blinebry	Oil Center - Blinebry	80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
- Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Doris Williams
Name: _____
Accounting Assistant
Position: _____
Sun Oil Company
Company: _____
March 17, 1980
Date: _____

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date: _____
March 5, 1980
Registration No. _____
Professional Engineer
John W. West
John W. West
Registration No. JOHN W. WEST 676
PATRICK A. ROMERO 6663
Ronald J. Edson 3239

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

JUL 15 1980

Form C-103
Revised 10-1-7

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SUNDARY 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 TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR."

3a. Indicate Type of Lease
State Fed

3. State Oil & Gas Lease No.

OIL WELL GAS WELL OTHER

Name of Operator
Sun Oil Company

Address of Operator
P. O. Box 1861 Midland, Texas 79702

Location of Well
UNIT LETTER R 1980 FEET FROM THE South LINE AND 2164 FEET FROM
THE East LINE, SECTION 3 TOWNSHIP 21S RANGE 36E NMPM.

7. Unit Agreement Date

8. Farm or Lease Name

9. Well No.
Akens, J. A. #11

10. Field and Pool, or Wildcat
Oil Center - Blinebry

15. Elevation (Show whether DF, RT, GR, etc.)
3551.3' GL

12. County
Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

REPAIR REMEDIAL WORK
TEMPORARILY ABANDON
REPAIR OR ALTER CASING
OTHER

PLUG AND ABANDON
CHANGE PLANS
OTHER

REMEDIAL WORK
COMMENCE DRILLING OPERATIONS
CASING TEST AND CEMENT JOBS
OTHER

ALTERING CASING
PLUG AND ABANDONMENT
OTHER

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.

- 28-80 MIRU Hillin
- 29-80 Spud 11 PM
- 31-80 Ran 8-5/8" 24# csg @ 1290'. Cmtd w/400 sx Howco Lite. 200 sx Class "C" 2% CaCl2 1/4# FCL. Circ. 100 sx.
- 16-80 Ran 5-1/2" 14 & 15.5# csg @ 6300'. Howco cmtd. 1 stage w/600 sx "H" 50-50 Poz "A" w/29 gel, 5# salt, 0.5% CFR-2. Cmtd 2nd stage w/1250 sx Howco Lite w/15-1/2# salt, 3# Gilsco 1/4# FCL. 100 sx Class "C" 3# salt. Circ 75 sx cmt to surface.

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

BY Terresa Bradley TITLE Accounting Assistant DATE 7-14-80

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

J. A. Akens #11 N.G.P.A.
EXHIBIT #1

Exhibit #1 is composed of a structure contour map on the top of the Blinebry Formation and a Stratigraphic cross section through the Blinebry interval of the two wells on the 80 acre proration unit.

The scale of the structure map is 1"=100' and the contour interval is 25'. Sun's J. A. Akens lease is outlined in yellow and the completed zones of the wells are color coded as per the legend in the lower left hand corner. The subject well is indicated with a red arrow and the 80 acre proration unit is outlined with hashures. J. A. Akens #11 is 7' structurally high to the J. A. Akens #8.

The vertical scale of the cross section is 1"= 100' and there is no horizontal scale. Porosity zones are colored red. There is approximately 43' of porosity that is not common to both wells. As a result of this, there is partial lack of reservoir continuity and it appears that the previously existing well (#8) would not effectively and efficiently drain the portion of the reservoir covered by the proration unit.

