

CASE 3613: Application of SUNRAY
DX for an amendment to Order No.
R-1636-A, San Juan County, N.M.

Case Number

3613

Application
Transcripts.

Small Exhibits

ETC.

GOVERNOR
DAVID F. CARGO
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

P. O. BOX 2088
SANTA FE

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

July 27, 1967

Mr. Charles White
White, Gilbert, Koch & Kelly
Attorneys at Law
Post Office Box 787
Santa Fe, New Mexico

Re: Case No. 3613
Order No. R-3293
Applicant:
SUNRAY DX OIL COMPANY

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.
A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC x
Artesia OCC
Aztec OCC x
Other _____

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 3613
Order No. R-3283

APPLICATION OF SUNRAY DX OIL COMPANY
FOR AN AMENDMENT TO ORDER NO. R-1636-A,
SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 12, 1967,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 27th day of July, 1967, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Sunray DX Oil Company, operator of
the Central Bisti LPG-Gas-Water Injection Project in the Bisti-
Lower Gallup Oil Pool, San Juan County, New Mexico, seeks an
exception to Rule 9 of Order No. R-1636-A to discontinue the
monthly gas-oil ratio tests in the aforesaid pressure maintenance
project.

(3) That the applicant further seeks an exception to Rule 9
of said Order No. R-1636-A to file each month Form C-120 in lieu
of Pressure Maintenance Project Operator's Report now prescribed
by the Commission.

(4) That the necessity for monthly gas-oil ratio testing
no longer exists in the subject area due to the decreased gas-oil
ratios in the subject pool.

-2-

CASE No. 3613
Order No. R-3283

(5) That the filing of Form C-120 in lieu of the Pressure Maintenance Project Operator's Report will relieve the unit operator from unnecessary operating expenses and will provide the Commission sufficient information to assure that the owner of each property in the Bisti-Lower Gallup Oil Pool will receive his just and equitable share of the oil and gas in the pool.

IT IS THEREFORE ORDERED:

(1) That the applicant, Sunray DX Oil Company, is hereby granted authority to discontinue the monthly gas-oil ratio tests required by Rule 9 of Order No. R-1636-A for its Central Bisti LPG-Gas-Water Injection Project in the Bisti-Lower Gallup Oil Pool, San Juan County, New Mexico.

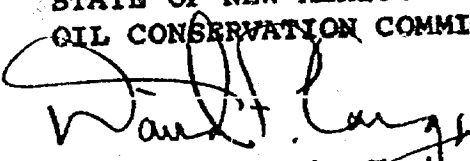
(2) That the applicant is hereby granted an exception to Rule 9 of Order No. R-1636-A to file Form C-120 in lieu of Pressure Maintenance Project Operator's Report.

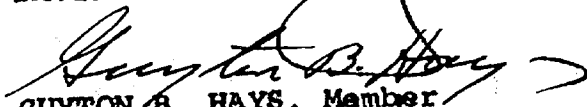
(3) That Form C-120 shall be submitted in accordance with Rule 1120 of the Commission Rules and Regulations.

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

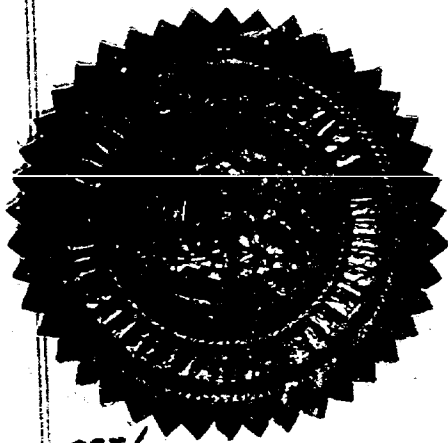
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


GUYTON B. HAYS, Member


A. L. PORTER, Jr., Member & Secretary



esr/

- CASE 3613: Application of Sunray DX Oil Company for an amendment to Order No. R-1636-A, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the amendment to Order No. R-1636-A, which order established special rules governing the operation of the Sunray Mid-Continent Central Bisti LPG-Gas-Water Injection Project, Bisti-Lower Gallup Oil Pool, San Juan County, New Mexico. Applicant seeks the reclassification of said pressure maintenance project, for the purpose of filing reports, as a waterflood project.
- CASE 3614: Application of Shiprock Corporation for an amendment to Order No. R-1438, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-1438, which order established special rules for the Shiprock-Gallup Oil Pool. Applicant seeks the deletion of that provision of said rules which provides that wells shall not be located closer than 300 feet to the nearest well producing from the same pool. Applicant would further amend said rules to permit the drilling of wells closer than 165 feet to the outer boundary of the quarter-quarter section, but in no event closer than 165 feet to the boundary of acreage owned by an offset operator.
- CASE 3615: Application of Humble Oil & Refining Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of its Paddock (San Angelo) Unit Area comprising 3758 acres, more or less, of Federal, State and Fee lands in Townships 21 and 22 South, Range 37 East, Lea County, New Mexico.
- CASE 3616: Application of Humble Oil & Refining Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its Paddock (San Angelo) Unit Area by the injection of water into the Paddock formation through six wells located in Section 35, Township 21 South, Range 37 East, and Section 2, Township 22 South, Range 37 East, Paddock Pool, Lea County, New Mexico.

DOCKET: EXAMINER HEARING - WEDNESDAY - JULY 12, 1967

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Elvis A. Utz, Alternate Examiner:

CASE 3608: Application of Union Oil Company of California for the creation of a new gas pool and special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new pool for Permo-Pennsylvanian gas production from its Forni Well No. 1 located in Unit I of Section 15, Township 22 South, Range 27 East, Eddy County, New Mexico, and for the promulgation of special pool rules therefor, including a provision for 640-acre spacing.

CASE 3609: Application of Texas Pacific Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its J.P. Collier Well No. 4Y located in Unit G of Section 10, Township 11 South, Range 33 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Northeast Bagley-Wolfcamp and the North Bagley-Upper Pennsylvanian Pools through parallel strings of tubing.

CASE 3610: Application of Texas Pacific Oil Company for a dual completion, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Bluitt State Com. Well No. 1 located in Unit I of Section 32, Township 7 South, Range 37 East, Roosevelt County, New Mexico, in such a manner as to permit the production of gas from the Bluitt Wolfcamp and Bluitt San Andres Gas Pools through 2-inch tubing and the casing-tubing annulus, respectively.

CASE 3611: Application of Texas Pacific Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Ella Drinkard Well No. 2 located in Unit E of Section 25, Township 22 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from undesignated McKee and Ellenburger pools through parallel strings of tubing.

CASE 3612: Application of Roger C. Hanks for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a well in exception to the South Flying "M" Pennsylvanian Rules at an unorthodox location 660 feet from the South line and 660 feet from the East line of Section 24, Township 9 South, Range 32 East, Lea County, New Mexico.

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLDG. • P. O. BOX 1092 • PHONE 243-4491 • ALBUQUERQUE, NEW MEXICO

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
July 12, 1967

IN THE MATTER OF:)
)
)

Application of Sunray DX Oil)
Company for an amendment to)
Order No. R-1636-A, San Juan)
County, New Mexico.)

Case No. 3613

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

dearnley-maier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87101
1205 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108

PAGE 2

MR. NUTTER: Call Case 3613.

MR. HATCH: Case 3613, Application of Sunray DX Oil Company for an amendment to Order No. R-1336-A, San Juan County, New Mexico.

MR. WHITE: Mr. Examiner, if you please, I'm Charles White of Santa Fe, New Mexico, appearing on behalf of the applicant, Sunray DX Oil Company. We have one witness to be sworn, at this time.

(Witness sworn.)

(Whereupon, Applicant's Exhibits Number 1 and 2 were marked for identification.)

RALPH L. MANESS

called as a witness, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. WHITE:

Q Will you state your name for the record, please?

A Ralph Maness.

Q By whom are you employed and in what capacity?

A I'm production engineer with Sunray DX Oil Company in Roswell, New Mexico.

Q Have you previously testified before the New Mexico Oil Conservation Commission?

A No, I haven't.

Q Will you briefly state your educational and professional background?

A I graduated from Texas A and I College in Kingsville, Texas in May of 1966 with a Bachelor of Science degree in petroleum and natural gas; I was employed by Sunray DX, at the time of my graduation and have been employed by them, located in Roswell, New Mexico, since October, 1966.

Q Briefly, what does Sunray seek by the subject application?

A We seek to amend the Order R-1636-A which established special rules governing the operating of Sunray DX's LPG-Gas and Water injection project in the Bisti-Lower Gallup Oil Pool, San Juan County.

Q When was the San Juan Bisti unit formed?

A In June, 1959.

Q And when did they initiate their LPG injection program?

A In June of 1959.

Q And did they later go to a gas injection phase?

A Yes, sir, gas injection was started injected, natural gas injected in January, 1959.

Q When was Order R-1636 adopted, if you know?

A May 25th, 1960.

Q And what did the order provide?

A ~~Ten~~, specifically, it provided for the filing of pressure maintenance project operators monthly report which was used for an establishment of a level for this unit.

Q Refer to Exhibit 1, is that the report to which you refer?

A Yes, sir, it is.

Q Did Sunray abandon its LPG program?

A Yes, sir, in February of 1960 after we had injected approximately 940,000 barrels of LPG.

Q And did it later abandon its gas injection program?

A Yes, sir. It did, in December of 1963.

Q Was that in reality, a conversion to a water injection program?

A Yes, sir. It was, after we ceased to inject LPG and gas, we continued to inject water and are currently doing so, now.

Q Will you refer to what has been marked as Exhibit 2 and give us a history of the pool?

A Our production after our initial injection of gas and water here, our initial high production was approximately 4500 barrels of oil per day and since then has steadily declined to a point now in June to where in 1967 we are producing approximately 650 barrels of oil per day.

MR. NUTTER: Now, I would like to identify these three lines on the right hand side of the lower chart there, the upper line would be what?

A Every line -- Are you looking at the end?

MR. NUTTER: Yes, sir, down here.

A Okay. The upper line is your daily water production.

MR. NUTTER: That's one.

A And the middle line there would be oil production and the bottom line is our gas-oil ratio.

MR. NUTTER: Okay, thank you.

A Our gas-oil ratio during the main period of gas injection was approximately 1500 GOR and has since declined to approximately 620 GOR. We have injected as far as natural gas purposes, approximately 15,000,000 MCF and to this date to June, excuse me, to May, 1967, we have produced approximately 15,000,000 MCF. So, we have produced more gas than what we injected.

Q (By Mr. White) In your opinion, should this be classified as a conventional waterflood project?

A Yes, sir, in my opinion, I think it should be since we have produced more gas than what we injected and we ceased gas injection in December of '63 and have continued water injection since that time.

Q What is it presently classified by the Commission?

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLDG. • P.O. BOX 1092 • PHONE 248-6691 • ALBUQUERQUE, NEW MEXICO 87101
1205 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108

PAGE 6

A As a pressure maintenance project.

Q Because of present pool performance, is there any need for this report in your opinion?

A I do not think so, no, sir. I think our purpose could equally be served by filing the Commission form C-120, which is the conventional waterflood report.

Q That's your monthly injection report?

A Yes, sir.

Q And is that what you recommend for this unit?

A Yes, sir. It is.

Q Was Exhibit Number 2 prepared by you or under your direction?

A Yes, sir.

MR. WHITE: At this time, we offer Exhibit 1 and 2 into evidence.

MR. NUTTER: Applicant's Exhibits 1 and 2 will be admitted into evidence.

(Whereupon, Applicant's Exhibits 1 and 2 were offered and admitted into evidence.)

Q (By Mr. White) And does that complete your testimony?

A Yes, sir. It does.

MR. WHITE: We have nothing further, Mr. Nutter.

CROSS EXAMINATION

BY MR. NUTTER:

Q The only reason for the request for reclassification is for the filing of the forms, was it not?

A Yes, sir.

Q So, it wouldn't actually hurt if we continued to follow the maintenance project which it started out to be and by the average reservoir pressure indication, indicated up at the top of the graph and if we continued to call it a pressure maintenance program, we will eliminate the necessity for filing this pressure maintenance operator's report and the same purpose will be served?

A Yes, sir. We haven't made any recent bottom hole pressure tests to really know what our oil pressure is at this time but we have been injecting more water than we have been producing so we feel that our pressure should be approximately the same as it was recently.

MR. NUTTER: I see. Any further questions of the witness? You may be excused. Do you have anything further, Mr. White?

MR. WHITE: No, sir. Thank you.

MR. NUTTER: Anyone have anything they wish to offer in Case 3613? Take the case under advisement and call Case 3614.

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87101
1205 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108



PAGE 8

I N D E X

WITNESS

PAGE

RALPH L. MANESS

Direct Examination by Mr. White

2

Cross Examination by Mr. Nutter

7

EXHIBIT

MARKED

OFFERED AND
ADMITTED

Applicant's
1 and 2

2

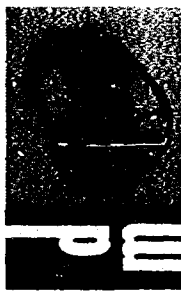
6

[Handwritten signature and date: 12/12/63]

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87101
1205 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108



STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss.

I, JOE B. JAMESON, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Witness my Hand and Seal this 19th day of July, 1967.

Joe B. Jameson
Notary Public

My Commission Expires:

June 25, 1971.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. **3613** heard by me on **7/12**, 19**67**.

[Signature]
Examiner
New Mexico Oil Conservation Commission

Sunray DX Oil Company

Case 3613

District Office



P. O. Box 1416
Roswell, New Mexico
June 21, 1967

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

Gentlemen:

Sunray DX Oil Company respectfully requests that the Oil Conservation Commission schedule and hear testimony seeking to change reporting procedures on Sunray's Central Bisti Unit, San Juan County, New Mexico.

The Central Bisti Unit was previously a pressure maintenance project and is still being reported as such to the Commission. The main purpose of this report was to allow for injected gas to be deducted from produced gas for allowable purposes. Gas injection was ceased in 1963 and only water has been injected since that time. In addition, considerable clerical work is being expended preparing this report. Sunray DX Oil Company, therefore, seeks approval to classify and report the Central Bisti Unit as a waterflood project.

We would appreciate this matter being scheduled for hearing at the Commission's earliest convenience.

Yours truly,

SUNRAY DX OIL COMPANY

John Hastings
John Hastings
District Engineer
Roswell District

MAIN OFFICE OGC

'67 JUN 22 PM 1 23

JH:RLM:sk

cc: Mr. Charles White
White, Gilbert, Koch & Kelly
P. O. Box 787
Santa Fe, New Mexico
Shell Oil Co., Box 1509, Midland, Texas
Gulf Oil Corporation, Box 1938, Roswell, N. M.

DOCKET MAILED

Date

6-22-67
[Signature]

Central Bisti Lower Gallup Sand Unit
Owned by Sunray DX Oil Company
San Juan County, New Mexico

PAGE 1

PRESSURE MAINTENANCE PROJECT OPERATOR'S MONTHLY REPORT

Date _____
Top Unit Allowable For Pool Next Month, BPD _____
Average Reservoir Pressure _____
Supercompressibility Factor _____
Gas Equivalent, Net Water Injected, MCF _____

Well No.	Location	Inj. or Prod.	Meth of Prod	Most Recent Test (Last Month for Producing Wells)				Production and Injection Last Month								16 Cum. Gas or Water Inf.	17 Est. Non Penal-ized Allow	18 Penal-ized Allow For H ₂ GOR	19 Gas Inj. Credit Assigned To Well	20 Adj. Allow Each Well	21 Allow Trans From Other Wells	22 Allow Trans To Other Wells	23 Final Allow: (Col 20 Plus 21 Minus Col 22)
				5 Date of Test	6 24-hr Oil Prod, bbls.	7 24-hr Gas Prod, cu ft	8 24-hr Water Prod, bbls.	9 Gas-Oil Ratio, ft ³ /bbl	10 Ave. Daily Oil Prod, bbls.	11 Ave. Daily Gas Prod, cu ft	12 Ave. Daily Gas Inj., cu ft	13 Ave. Daily Water Prod, bbls.	14 Ave. Daily Water Inj., bbls.	15 Ave. Daily Inj. Press, psi	16 X								
1	N 31 26 12	P									X		X	X	X				X				
2	C 5 25 12	P									X		X	X	X				X				
4	C 6 25 12	P									X		X	X	X				X				
5	D 6 25 12	P									X		X	X	X				X				
7	I 6 25 12	P									X		X	X	X				X				
8	X 5 25 12	P									X		X	X	X				X				
9	I 5 25 12	P									X		X	X	X				X				
11	I 4 25 12	P									X		X	X	X				X				
12	X 3 25 12	P									X		X	X	X				X				
13	A 9 25 12	P									X		X	X	X				X				
14	A 9 25 12	P									X		X	X	X				X				
15	C 9 25 12	P									X		X	X	X				X				
16	D 9 25 12	P									X		X	X	X				X				
18	C 8 25 12	P									X		X	X	X				X				
TOTALS																							

CERTIFICATE: I, the undersigned, state that I am the _____ of the _____ company to make this report; and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct, and complete to the best of my knowledge.

(Signature), and that I am authorized by said

SIGNATURE

Central Bisti Lower Gallup Sand Unit
 Operated by Sunray DX Oil Company
 San Juan County, New Mexico

PRESSURE MAINTENANCE PROJECT OPERATOR'S MONTHLY REPORT

Date _____
 Top Unit Allowable For Pool Next Month, BPD _____
 Average Reservoir Pressure _____
 Supercompressibility Factor _____
 Gas Equivalent, Net Water Injected, MCF _____

PAGE 2

Well No.		Location	Inj. or Prod	Meth of Prod	Date of Test	Most Recent Test (Last Month for Producing Wells)					Production and Injection Last Month										Supercompressibility Factor Gas Equivalent, Net Water Injected, MCF				
						24-hr Oil Prod, bbls.	24-hr Gas Prod, cu ft	24-hr Water Prod, bbls.	Gas-Oil Ratio, ft/bbl	Ave. Daily Oil Prod, bbls.	Ave. Daily Gas Prod, cu ft	Ave. Daily Water Prod, bbls.	Ave. Daily Ave. Inj., cu ft	Ave. Daily Ave. Inj., Press, psi	Cum. Gas or Water Inj.	Est. Non Penalized Allow GOR	Penalized Allow For Hi GOR	Gas Inj. Credit Assigned To Well	Adj. Allow Each Well	Allow Trans From Other Wells	Allow Trans To Other Wells	Final Allow: (Col 20 Plus 21 Minus Col 22)			
																							5	6	7
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
19	A 7 25 12	P									X		X	X	X			X							
20	C 7 25 12	P									X		X	X	X			X							
21	E 7 25 12	P									X		X	X	X			X							
22	F 9 25 12	P									X		X	X	X			X							
23	H 9 25 12	P									X		X	X	X			X							
24	F 10 25 12	P									X		X	X	X			X							
26	I 9 25 12	P									X		X	X	X			X							
27	K 9 25 12	P									X		X	X	X			X							
28	L 9 25 12	P									X		X	X	X			X							
29	I 8 25 12	P									X		X	X	X			X							
30	J 8 25 12	P									X		X	X	X			X							
32	L 8 25 12	P									X		X	X	X			X							
33	I 7 25 12	P									X		X	X	X			X							
34	P 8 25 12	P									X		X	X	X			X							
TOTALS																									

CERTIFICATE: I, the undersigned, state that I am the _____ of the _____ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct, and complete to the best of my knowledge.

SIGNATURE

PRESSURE MAINTENANCE PROJECT OPERATOR'S MONTHLY REPORT

Central Bisti Lower Gallup Sand Unit
 Operated by Sunray DX Oil Company
 San Juan County, New Mexico

PAGE 3

Date

Top Unit Allowable For Pool Next Month, BPD

Average Reservoir Pressure

Supercompressibility Factor

Gas Equivalent, Net Water Injected, MCF

PAGE 3				Supercompressibility Factor										Gas Equivalent, Net Water Injected, MCF									
				Most Recent Test					Production and Injection					Last Month					Last Month				
				(Last Month for Producing Wells)																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Well No.	Location	Inj. or Prod	Mo. of Prod	Date of Test	24-hr Oil Prod. bbls.	24-hr Gas Prod. cu ft	24-hr Water Prod. bbls.	Gas-Oil Ratio, ft/bbl	Ave. Daily Oil Prod. bbls.	Ave. Daily Gas Prod. cu ft	Ave. Daily Gas Inj. cu ft	Ave. Daily Water Prod. bbls.	Ave. Daily Water Inj. bbls.	Ave. Ave. Inj. Press psi	Cum. Gas or Water Inj.	Est. Non Penalized Allow	Penal-ized Allow For Hi GOR	Gas Inj. Credit Assigned To Well	Adj. Allow Each Well	Allow Trans From Other Wells	Allow Trans To Other Wells	Final Allow: (Col 20 Plus 21 Minus Col 22)	
35	N 9 25 12	P								X		X	X	X	X			X					
36	O 9 25 12	P								X		X	X	X	X			X					
37	N 10 25 12	P								X		X	X	X	X			X					
38	A 16 25 12	P								X		X	X	X	X			X					
40	C 16 25 12	P								X		X	X	X	X			X					
41	D 16 25 12	P								X		X	X	X	X			X					
42	A 17 25 12	P								X		X	X	X	X			X					
43	C 17 25 12	P								X		X	X	X	X			X					
46	I 16 25 12	P								X		X	X	X	X			X					
47	K 16 25 12	P								X		X	X	X	X			X					
48	I 17 25 12	P								X		X	X	X	X			X					
49	M 16 25 12	P								X		X	X	X	X			X					
50	O 16 25 12	P								X		X	X	X	X			X					
51	A 21 25 12	P								X		X	X	X	X			X					
TOTALS																							

CERTIFICATION: I, the undersigned, state that I am the _____ of the _____ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct, and complete to the best of my knowledge.

SIGNATURE

PRESSURE MAINTENANCE PROJECT OPERATOR'S MONTHLY REPORT

Central Bisti Lower Gallup Sand Unit
 Operated by Sunray DX Oil Company
 San Juan County, New Mexico

Date

Top Unit Allowable For Pool Next Month, BPD
 Average Reservoir Pressure
 Supercompressibility Factor
 Gas Equivalent, Net Water Injected, MCF

PAGE 4

PAGE 4		Most Recent Test (Last Month for Producing Wells)										Production and Injection Last Month					Supercompressibility Factor Gas Equivalent, Net Water Injected, MCF									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
Well No.	Location U S T R	Inf. Meth or Prod	Moeth of Prod	Date of Test	24-hr Oil Prod, bbls.	24-hr Gas Prod, cu ft	24-hr Water Prod, bbls.	Gas- Oil Ratio, ft/bbl	Ave. Daily Oil Prod, bbls.	Ave. Daily Gas Prod, cu ft	Ave. Daily Gas Inj., cu ft	Ave. Daily Water Prod, bbls.	Ave. Daily Water Inj., bbls.	Ave. Press psi	Cum. Gas or Water Inj.	Est. Non- Penal- ized Allow	Penal- ized Allow For Hi GOR	Gas Inj. Credit Assigned To Well	Adj. Allow Each Well	Allow Trans From Other Wells	Allow Trans To Other Wells	Final Allow: (Col 20 Plus 21 Minus Col 22)				
52	O 31 26 12	P									X		X	X	X			X								
53	G 5 25 12	P									X		X	X	X			X								
54	E 5 25 12	P									X		X	X	X			X								
55	O 6 25 12	P									X		X	X	X			X								
56	M 5 25 12	P									X		X	X	X			X								
57	O 5 25 12	P									X		X	X	X			X								
58	O 4 25 12	P									X		X	X	X			X								
59	M 3 25 12	P									X		X	X	X			X								
60	E 10 25 12	P									X		X	X	X			X								
61	G 9 25 12	P									X		X	X	X			X								
62	E 9 25 12	P									X		X	X	X			X								
63	E 8 25 12	P									X		X	X	X			X								
64	G 7 25 12	P									X		X	X	X			X								
65	M 9 25 12	P									X		X	X	X			X								
TOTALS																										

CERTIFICATE: I, the undersigned, state that I am the _____ of the _____ company to make this report; and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct, and complete to the best of my knowledge.

SIGNATURE

PRESSURE MAINTENANCE PROJECT OPERATOR'S MONTHLY REPORT

Central Bisti Lower Gallup Sand Unit
 Operated by Sunray DX Oil Company
 San Juan County, New Mexico

Date _____
 Top Unit Allowable For Pool Next Month, BPD _____
 Average Reservoir Pressure _____
 Supercompressibility Factor _____
 Gas Equivalent, Net Water Injected, MCF _____

PAGE 5

Well No.	Location U S T R	3	4	5	Most Recent Test (Last Month for Producing Wells)					Production and Injection Last Month					16	17	18	19	20	21	22	23
					24-hr Oil Prod, bbls.	24-hr Gas Prod, ft	24-hr Water Prod, bbls.	Gas- Oil Ratio, ft/bbl	Ave. Daily Oil Prod, bbls.	Ave. Daily Gas Prod, cu ft	Ave. Daily Gas Inj., cu ft	Ave. Daily Water Prod, bbls.	Ave. Daily Water Inj., psi	Cum. Gas or Water Inj.								
WI 1	D 6 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
2	E 6 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	140	X	X	140	X	140	X
3	M 6 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	140	X	X	140	X	140	X
4	L 10 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
5	M 10 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
6	D 15 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
7	D 15 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
8	E 15 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	140	X	X	140	X	140	X
9	F 16 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	140	X	X	140	X	140	X
10	A 6 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	16	X	X	16	X	16	X
11	K 6 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	10	X	X	10	X	10	X
12	K 4 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	13	X	X	13	X	13	X
13	A 8 25 12	I	X	X	X	X	X	X	X	X	X	X	X		X	31	X	X	31	X	31	X

NOTES

ON BEHALF: I, the undersigned, state that I am the _____ of the _____ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct, and complete to the best of my knowledge.

SIGNATURE

Central Bisti Lower Gallup Sand Unit
 Operated by Sunray DX Oil Company
 San Juan County, New Mexico

PRESSURE MAINTENANCE PROJECT OPERATOR'S MONTHLY REPORT

Date

Top Unit Allowable For Pool Next Month, BPD

Average Reservoir Pressure

Supercompressibility Factor

Gas Equivalent, Net Water Injected, MCF

PAGE 6

Well No.		Most Recent Test. (Last Month for Producing Wells)										Production and Injection Last Month							Supercompressibility Factor. Gas Equivalent, Net Water Injected, MCF				
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
		Location	Inf. Meth or Prod	Date of Test	24-hr Oil Prod, bbls.	24-hr Gas Prod, cu ft	24-hr Water Prod, bbls.	Gas- Oil Ratio, ft/bbl	Ave. Daily Oil Prod, bbls.	Ave. Daily Gas Prod, cu ft	Ave. Daily Gas Inj., cu ft	Ave. Daily Water Prod, bbls.	Ave. Daily Water Inj., bbls.	Ave. Daily Water Inj., psi	Cum. Gas or Water Inj.	Est. Non Penal- ized Allow	Penal- ized Allow For Hi GOR	Gas Inj. Credit Assigned To Well	Adj. Allow Each Well	Allow Trans From Other Wells	Allow Trans To Other Wells	Allow: (Col 20 Plus 21 Minus Col 22)	
WI 14	L 10 25 12	I	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	
15	K 8 25 12	I	X	X	X	X	X	X	X	X	X	X			//	X	X	X	X	X	//	X	
16	B 16 25 12	I	X	X	X	X	X	X	X	X	X	X			/	X	X	X	X	X	/	X	
GI 4	G 6 25 12	I	X	X	X	X	X	X	X	X	X	X			140	X	X	X	X	X	140	X	
8	M 4 25 12	I	X	X	X	X	X	X	X	X	X	X			140	X	X	X	X	X	140	X	
14	G 8 25 12	I	X	X	X	X	X	X	X	X	X	X			140	X	X	X	X	X	140	X	
17	N 8 25 12	I	X	X	X	X	X	X	X	X	X	X			140	X	X	X	X	X	140	X	
19	P 9 25 12	I	X	X	X	X	X	X	X	X	X	X			140	X	X	X	X	X	140	X	
20	M 32 06 12	I	X	X	X	X	X	X	X	X	X	X			140	X	X	X	X	X	140	X	
	Cumulative gas injection on wells converted to producing or water injection																						
	Cumulative water injection of wells converted to production status																						
TOTALS																							

TOTALS

CERTIFICATE: I, the undersigned, state that I am the _____ of the _____ (company), and that I am authorized to _____ company to make this report; and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct, and complete to the best of my knowledge.

SIGNATURE

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 56/3

CENTRAL BISTI UNIT
POOL PERFORMANCE DATA

