



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

October 19, 1994

Department of Taxation and Revenue
P.O. Box 630
Santa Fe, NM 87509-0630

Attention: Dick Minzner, Secretary

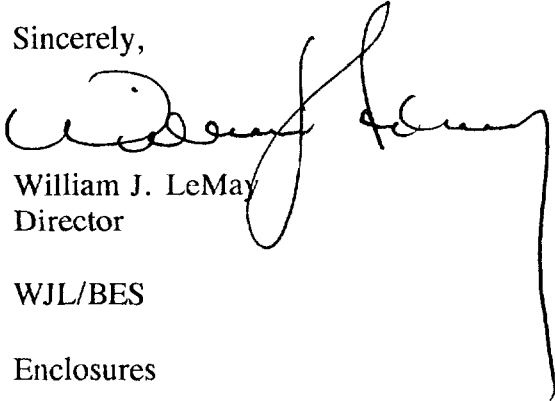
**RE: *Certification of EOR Project
 Burk Royalty Company
 Hanson Yates Waterflood Project***

Dear Secretary Minzner:

Enclosed is a copy of the certification issued to Burk Royalty Company for its Hanson Yates Waterflood EOR project, certified by this Division to be a qualified Enhanced Oil Recovery Project effective November 1, 1994. If the operator applies for certification of positive production response within five years from that date, this project will be eligible for the *Recovered Oil Tax Rate* as provided in Laws of 1992, Chapter 38.

Only oil production from that portion of the lands identified in the certification which is actually developed for enhanced recovery will be eligible for the reduced tax rate. At the time positive production response is certified, we will identify for you the specific lands and wells within the project which qualify for the *Recovered Oil Tax Rate*.

Sincerely,


William J. LeMay
Director

WJL/BES

Enclosures



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



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SANTA FE, NEW MEXICO 87504
(505) 827-5800

October 19, 1994

BURK ROYALTY COMPANY
P.O. Box BRC
Wichita Falls, Texas 76307

Attn: Charles Gibson

**CERTIFICATION OF ENHANCED OIL RECOVERY PROJECT
FOR RECOVERED OIL TAX RATE**

The New Mexico Oil Conservation Division hereby certifies that the following Enhanced Oil Recovery Project has been approved by the Division as a secondary recovery project pursuant to the provisions of the New Mexico *Enhanced Oil Recovery Act* (Laws of 1992, Chapter 38). In order to qualify for the *Recovered Oil Tax Rate*, you must apply for certification of positive production response within five years from the date of this certification. Only production from that part of the project area identified herein which is actually developed for enhanced recovery will qualify for the reduced tax rate.

If operation of this project is terminated for any reason, the operator of the project must notify this division and the Secretary of Taxation and Revenue not later than the thirtieth day after termination.

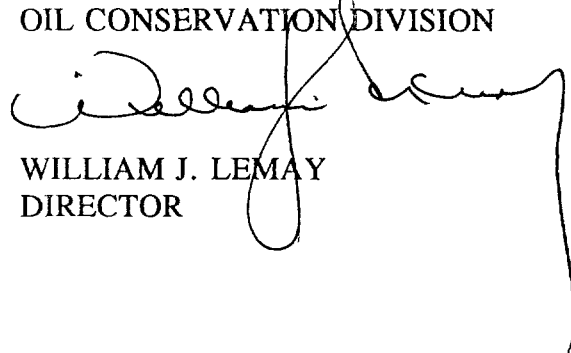
NAME OF PROJECT:	Hanson Yates Waterflood Project
OCD ORDER NO.:	R-10161 and Administrative Order Dated September 28, 1994
OPERATOR:	Burk Royalty Company
ADDRESS:	P.O. Box BRC Wichita Falls, Texas 76307
CERTIFICATION DATE:	November 1, 1994

PROJECT AREA

<i>Township</i>	<i>Range</i>	<i>Section</i>
20 South	34 West	Section 23: NE 1/4 - SW 1/4, S 1/2 - SW 1/4

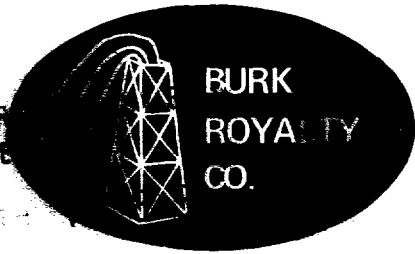
APPROVED BY:

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
DIRECTOR

S E A L



October 11, 1994

William LeMay
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Dear Mr. LeMay:

Burk Royalty Co., the operator of the Hanson "C" Lease Waterflood Project, pursuant to Division Order No. R-10161, hereby requests the Division to issue a Certification for the Recovered Oil Tax Rate for the waterflood project area, as approved by Division administration order dated September 28, 1994. The initial project area is described in paragraph (a) of said administrative order. Burk Royalty Co. wishes to commence injection by November 1, 1994, and thus your attention to this matter is appreciated.

Sincerely yours,

BURK ROYALTY CO.


Charles Gibson

CG/tl

Burk Royalty Co.
Attention: Charles Gibson
P. O. Box BRC
Wichita Falls, Texas 76307

**CERTIFICATION OF ENHANCED OIL RECOVERY PROJECT
FOR RECOVERED OIL TAX RATE**

The New Mexico Oil Conservation Division hereby certifies that the following Enhanced Oil Recovery Project has been approved by the Division as a secondary project, pursuant to the provisions of the New Mexico Enhanced Oil Recovery Act (L. 1992, Ch. 38). In order to qualify for the Recovered Oil Tax Rate, you must apply for certification of positive production response within five years from the date of this certification. Only production from that portion of the project area identified herein which is actually developed for enhanced recovery will qualify for the reduced tax rate.

If operation of this project is terminated for any reason, the operator of the project must notify this Division and the Secretary of Taxation and Revenue not later than the thirtieth day after termination.

NAME OF PROJECT: Hanson "C" Federal Lease
Waterflood Project

OCD ORDER NO.: R-10161 and Administrative
Order dated September 28, 1994.

OPERATOR & ADDRESS: Burk Royalty Co.
Attention: Charles Gibson
P. O. Box BRC
Wichita Falls, Texas 76307

CERTIFICATION DATE: November 1, 1994

INITIAL PROJECT AREA

TOWNSHIP 20 SOUTH, RANGE 32 EAST, N.M.P.M.

Section 23: NE 1/4 - SW 1/4, S 1/2 - SW 1/4

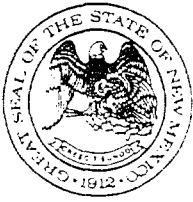
APPROVED

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LeMAY
DIRECTOR

S E A L

Case file 10985



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

September 28, 1994

Burk Royalty Company
C/O Mr. James Bruce
P.O. Box 2068
Santa Fe, New Mexico 87504-2068

Dear Mr. Bruce:

Reference is made to your recent request to certify the Hanson Yates Waterflood Project for the recovered oil tax rate pursuant to the "Enhanced Oil Recovery Act" (Laws 1992, Chapter 38, Sections 1 through 5). Pursuant to such request the Division finds that:

- a) the Hanson Yates Waterflood Project, which encompasses the S/2 SW/4 and NE/4 SW/4 of Section 23, Township 20 South, Range 34 East, NMPM, Lynch Yates-Seven Rivers Pool, Lea County, New Mexico, was approved by Division Order No. R-10161 on August 4, 1994;
- b) the application of enhanced recovery techniques to the reservoir should result in an increase in the amount of crude oil that may be ultimately recovered therefrom;
- c) the project area has been so depleted that it is prudent to apply enhanced recovery techniques to maximize the ultimate recovery of crude oil, and,
- d) the enhanced recovery operations are economically and technically reasonable and are not premature.

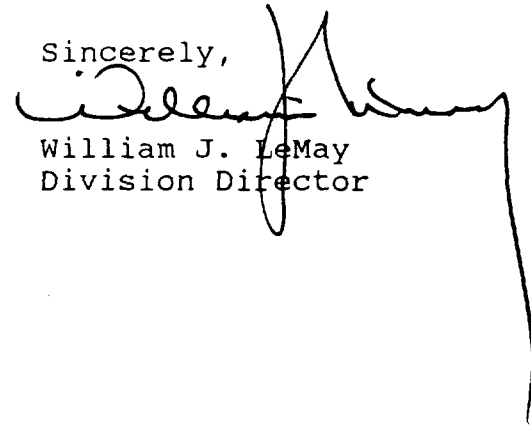
The subject waterflood is hereby certified as a qualified "Enhanced Oil Recovery Project" pursuant to the "Enhanced Oil Recovery Act" (Laws 1992, Chapter 38, Sections 1 through 5).

The certified "project area" shall comprise the S/2 SW/4 and the NE/4 SW/4 of Section 23, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico.

The operator shall advise the Division when water injection commences within the subject waterflood project and at such time, request the Division certify such area to the New Mexico Taxation and Revenue Department.

At such time as a positive production response occurs and within five years from the date of the Certificate of Qualification, the applicant must apply to the Division for certification of positive production response, which application shall identify the area actually benefitting from enhanced recovery operations, and identifying the specific wells which the operator believes are eligible for the credit. The Division may review the application administratively or set it for hearing. Based upon evidence presented, the Division will certify to The Department of Taxation and Revenue those lands and wells which are eligible for the credit.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. LeMay', with a long, sweeping vertical line extending downwards from the end of the signature.

William J. LeMay
Division Director

xc: Case File- 10985
J. Morrow
OCD-Hobbs

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

218 MONTEZUMA POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504-2068

(505) 982-4554 FAX (505) 982-8623

LEWIS C. COX, JR. (1924-1993)
CLARENCE E. HINKLE (1901-1985)

OF COUNSEL
O. M. CALHOUN* JOE W. WOOD
RICHARD L. CAZZELL* RAY W. RICHARDS*
L. A. WHITE**

AUSTIN AFFILIATION
HOFFMAN & STEPHENS, P.C.
KENNETH R. HOFFMAN*
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SCOTT A. SHUART*
PAUL G. NASON
CATHRYN MCCLANAHAN
R. "TREY" ARVIZU, III
AMY C. WRIGHT*

*NOT LICENSED IN NEW MEXICO

**FORMERLY COMPRISING THE FIRM OF
CULTON, MORGAN, BRITAIN & WHITE, P.C.

PAUL W. EATON
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HAROLD L. HENSLEY, JR.
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FRED W. SCHWENDIMANN
JAMES M. HUDSON
JEFFREY S. BAIRD*
THOMAS E. HOOD**
REBECCA NICHOLS JOHNSON

August 11, 1994

VIA HAND-DELIVERY

8/11/1994

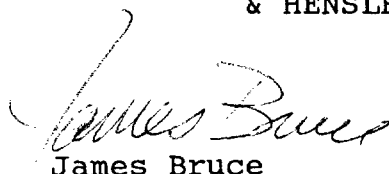
David Catanach
Oil Conservation Division
Santa Fe, New Mexico

Dear Mr. Catanach:

Enclosed are an original and two copies of an administrative application for the recovered oil tax rate, filed on behalf of Burk Royalty Co. Please call me if you have any questions.

Very truly yours,

HINKLE, COX, EATON, COFFIELD
& HENSLEY


James Bruce

Enclosures
JGB/sp

POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510
FAX (505) 623-9332

POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691
FAX (915) 683-6518

POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569
FAX (806) 372-9761

POST OFFICE BOX 2043
ALBUQUERQUE, NEW MEXICO 87103
(505) 768-1500
FAX (505) 768-1529

401 W. 15TH STREET, SUITE 800
AUSTIN, TEXAS 78701
(512) 476-7137
FAX (512) 476-5431

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

ADMINISTRATIVE APPLICATION OF
BURK ROYALTY CO. TO QUALIFY
A CERTAIN WATERFLOOD PROJECT
FOR THE RECOVERED OIL TAX RATE,
LEA COUNTY, NEW MEXICO

11 1994

APPLICATION

Burk Royalty Co. files this application pursuant to the Enhanced Oil Recovery Act, L. 1992, Ch. 38, and Division Order No. R-9708. In support thereof, applicant states:

1. The name of the operator is Burk Royalty Co., whose address is 1000 Petroleum Building, Post Office Box BRC, Wichita Falls, Texas 76307.

2. The project area is as follows:

Township 20 South, Range 34 East, N.M.P.M.

Section 23: NE1/4SW1/4, S1/2SW1/4 containing
120 acres, more or less.

A plat outlining the project area is attached hereto as Exhibit 1. The subject pool is the Lynch Yates - Seven Rivers Pool.

3. Secondary recovery shall be by a waterflood project with the injection water being produced water from offsetting wells producing from the Yates and Seven Rivers formations. The waterflood was approved by Division Order No. R- 10161.

4. Project data includes:

- (a) Number of initial producing wells: 2
- (b) Number of initial injection wells: 1
- (c) Capital cost of additional facilities: \$35,000
- (d) Total project cost: \$50,000
- (e) Estimated net value of incremental production recovered from the project: \$1,920,000
- (f) Anticipated injection commencement date: September 1, 1994
- (g) Type of fluid injected: Produced water.
- (h) Anticipated injection volumes: 300 barrels of water per day (average); 1500 barrels of water per day (maximum).

Exhibit 1 also identifies initial producing and injection wells.


6. The projected primary plus secondary production from the project area is exhibited on the graph attached hereto as Exhibit 2.

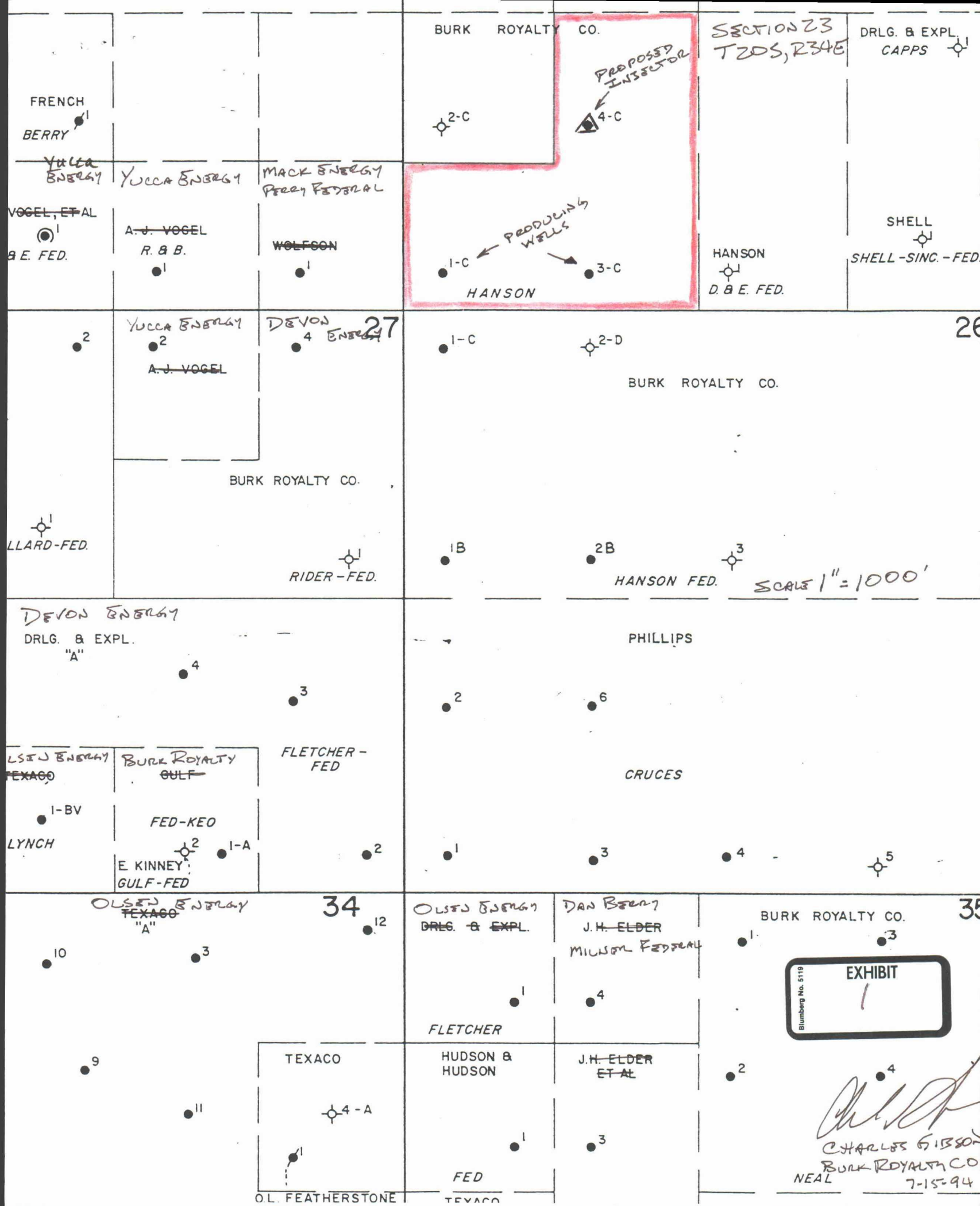
WHEREFORE, applicant requests that the Division administratively qualify this project as an Enhanced Oil Recovery Project and certify the project for the Recovered Oil Tax Rate.

Respectfully submitted,

BURK ROYALTY CO.

BY:

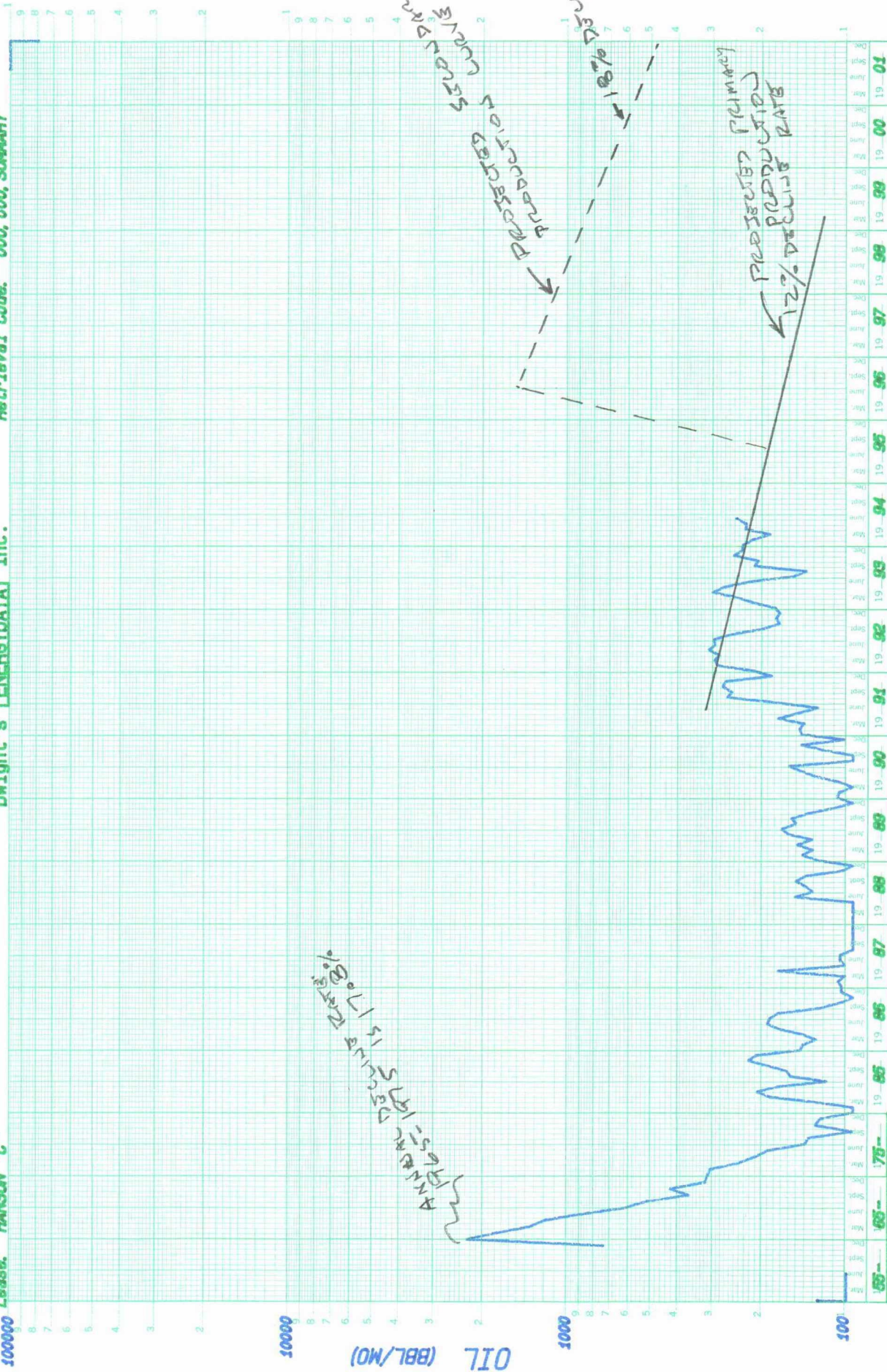

CHARLES GIBSON



100000 Lease: HANSON "C"

Dwight's ENERGYDATA Inc.

Retrieval Code: 000, 000, SUMMARY



Annual Data

County: LEA State: NM
Field: LYNCH (YATES SEVEN RIVERS) YS
Reservoir: YATES SEVEN RIVERS
Operator: BUREAU ROYALTY CO
Oil CUM: 276688 Gas CUM: 36226
Location: 23N 20S 34E

EXHIBIT

Bumberg No. 5119

F.P. Date

Date: 07-15-94

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

ADMINISTRATIVE APPLICATION OF
BURK ROYALTY CO. TO QUALIFY
A CERTAIN WATERFLOOD PROJECT
FOR THE RECOVERED OIL TAX RATE,
LEA COUNTY, NEW MEXICO

11 1994

APPLICATION

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Exhibit 1 also identifies initial producing and injection wells.

6. The projected primary plus secondary production from the project area is exhibited on the graph attached hereto as Exhibit 2.

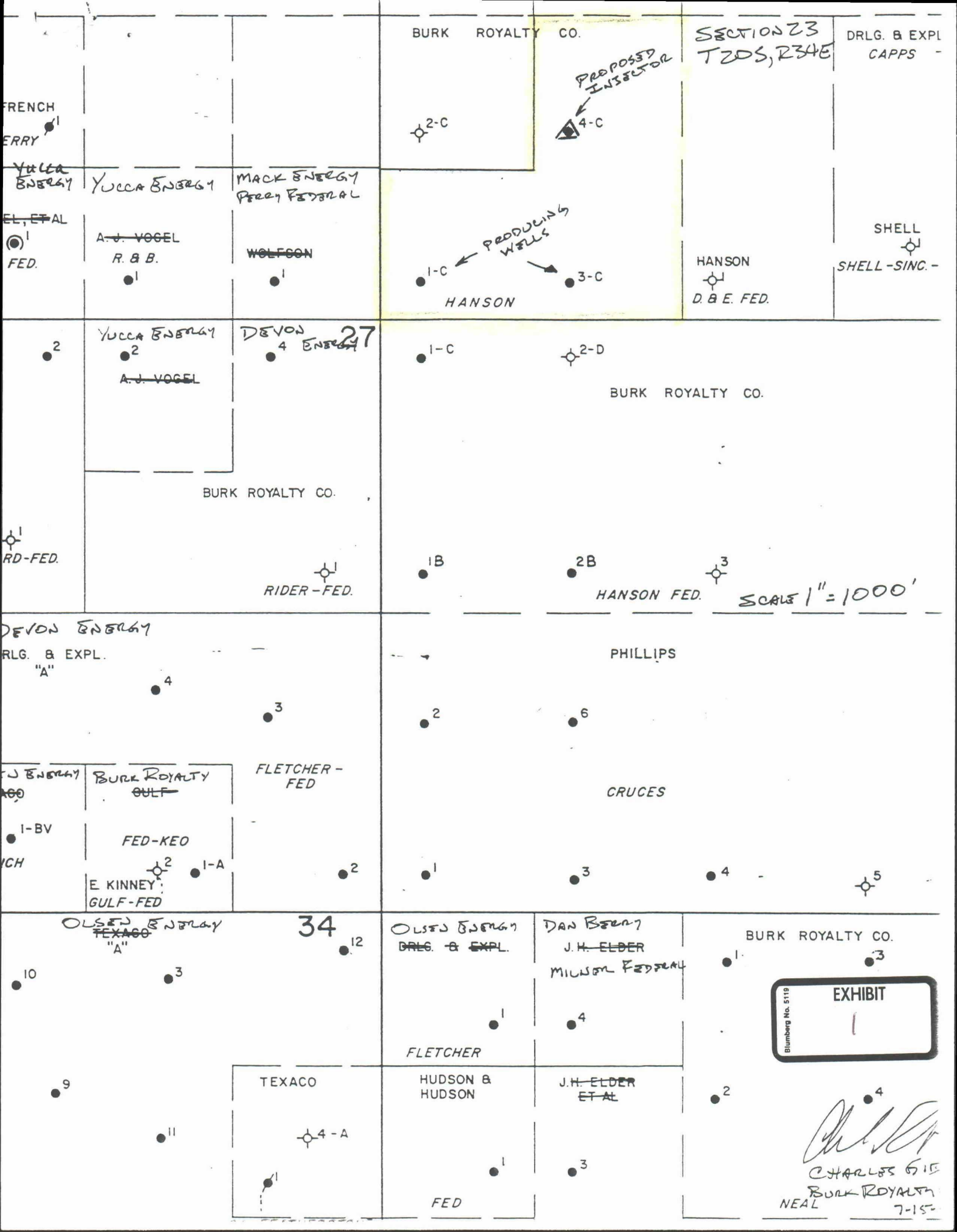
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Respectfully submitted,

BURK ROYALTY CO.

BY:

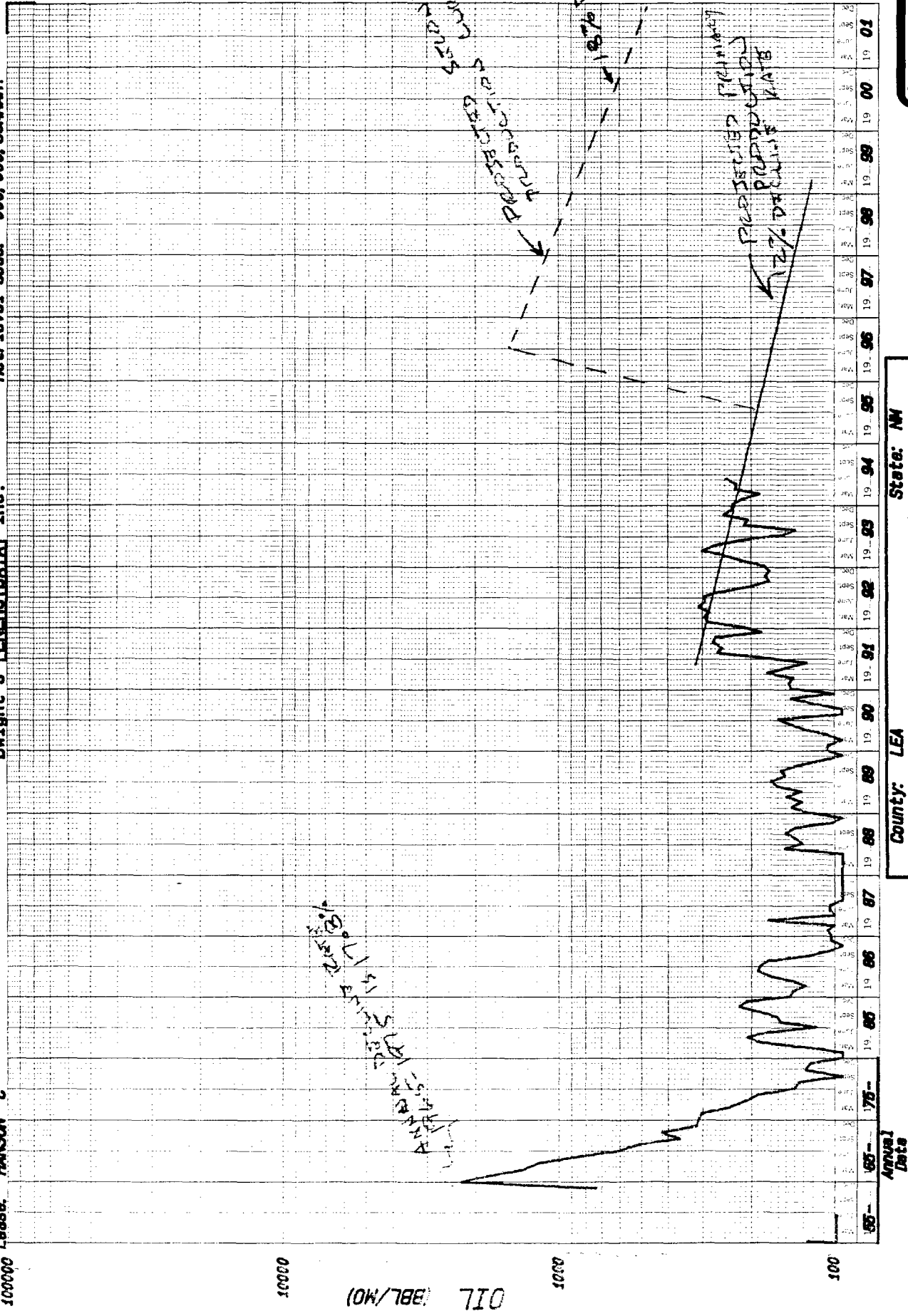

CHARLES GIBSON



Lease: HANSON "C"

Dwight's ENERGY DATA Inc.

Retrieval Code: 000,000, SUMMARY



County: LEA State: NM
Field: LYNCH (YATES SEVEN RIVERS) YS
Reservoir: YATES SEVEN RIVERS
Operator: BURK ROYALTY CO
Oil Cume: 276588 Gas Cume: 36226
Location: 23N 20S 34E

EXHIBIT

2

Date: 07-15-94

F.P. Date



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

August 4, 1994


HINKLE, COX, EATON,
COFFIELD & HENSLEY
Attorneys at Law
P. O. Box 2068
Santa Fe, New Mexico 87501

RE: CASE NO. 10985
ORDER NO. R-10161

Dear Sir:

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

Sincerely,


Sally E. Martinez
Administrative Secretary

cc: BLM - Carlsbad
Ed Martin

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

218 MONTEZUMA POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504-2068
(505) 982-4554 FAX (505) 982-8623

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OF COUNSEL
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MARCIA B. LINCOLN
SCOTT A. SHUART*
PAUL G. NASON
CATHRYN McCLANAHAN
R. "TREY" ARVIZU, III
AMY C. WRIGHT*

*NOT LICENSED IN NEW MEXICO
*FORMERLY COMPRISING THE FIRM OF
CULTON, MORGAN, BRITAIN & WHITE, P.C.

July 27, 1994

VIA HAND-DELIVERY

26 1994

David Catanach
Oil Conservation Division
Santa Fe, New Mexico

Re: Case No. 10,985, the Application of Burk Royalty Company for a Waterflood Project, Lea County, New Mexico

Dear Mr. Catanach:

As you requested at the hearing, enclosed are an original and one copy of the following:

1. Schematics of all four plugged and abandoned wells listed in the Form C-108. The schematics are marked Exhibit 4A.
2. An analysis of fresh water from the well located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 2, Township 20 South, Range 34 East. The analysis is marked Exhibit 4B.

At the hearing, Applicant also identified a potential well in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 26, Township 20 South, Range 34 East. However, upon a site examination, it was determined that although the well is permitted, the well owner (Daniel C. Berry) has not yet completed the well. A copy of the application filed with the State Engineer is marked Exhibit 4C.

3. Finally, at the hearing Applicant testified that the proposed injection well was used as an injection well during the period 1969-1975. The Division order authorizing injection is No. R-3661.

POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510
FAX (505) 623-9332

POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
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FAX (915) 683-6518

POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569
FAX (806) 372-9761

POST OFFICE BOX 2043
ALBUQUERQUE, NEW MEXICO 87103
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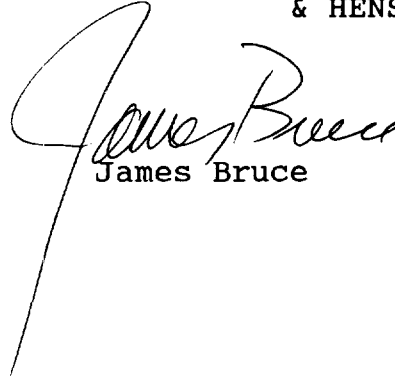
401 W. 15TH STREET, SUITE 800
AUSTIN, TEXAS 78701
(512) 476-7137
FAX (512) 476-5431

David Catanach
July 27, 1994
Page 2

If you need anything further, please give me a call, or call
Charles Gibson at (817) 322-5421.

Very truly yours,

HINKLE, COX, EATON, COFFIELD
& HENSLEY

A handwritten signature in cursive script, appearing to read "James Bruce". The signature is written in dark ink and is positioned above the printed name "James Bruce".

James Bruce

Enclosures
JGB/sp

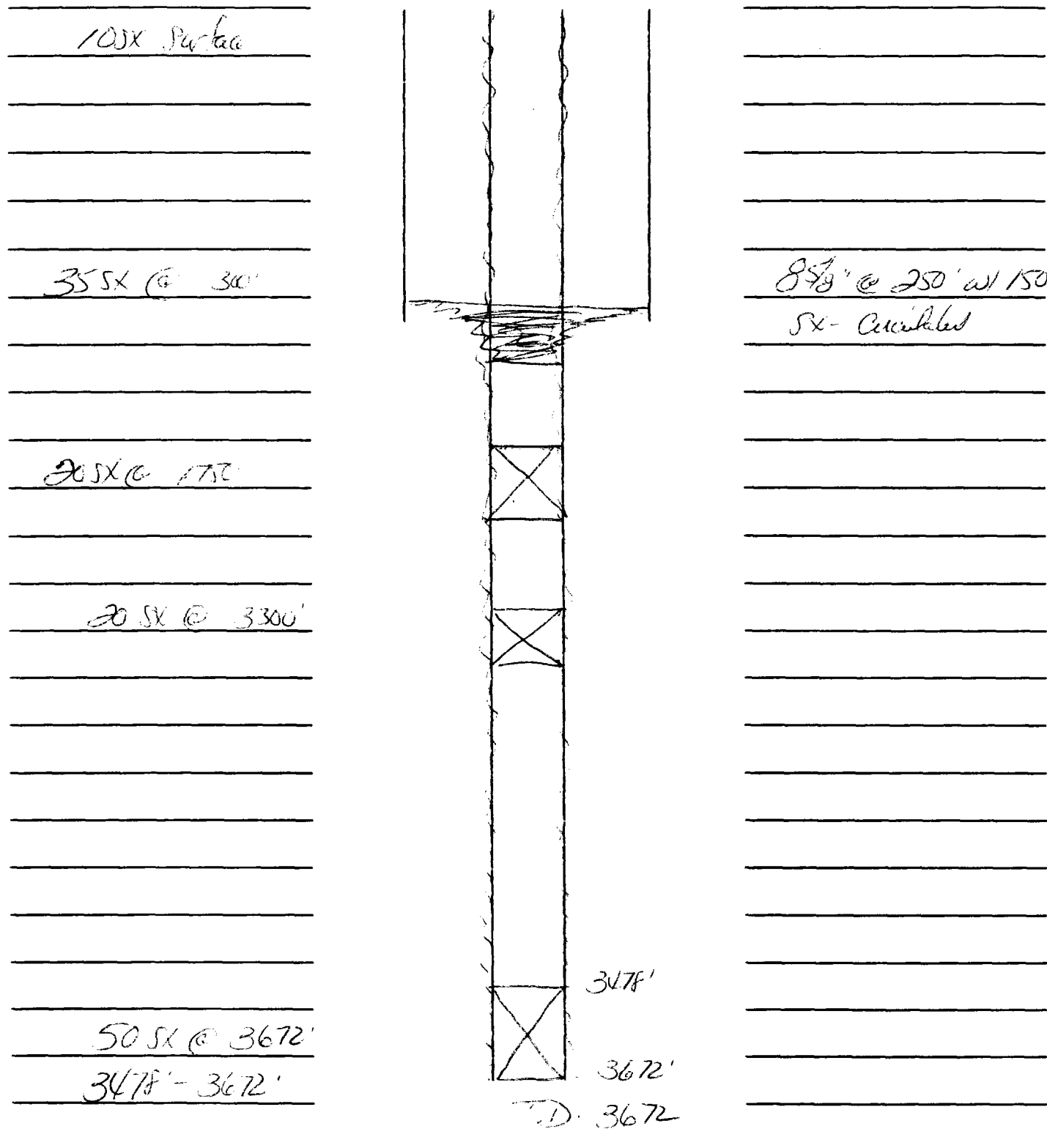
HINKLE, COX, EATON, COFFIELD & HENSLEY

1/16/2012 by DRC

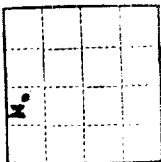
WELL DATA SHEET

OPERATOR: DRC WELL NAME & NO: Hanson Co No. 2
LOCATION: 1050 FEET FROM THE S LINE AND 330 FEET FROM THE W LINE
of SECTION 23, TOWNSHIP 2, RANGE 34, NMPM, La COUNTY, N.M.

SCHEMATIC



Form 9-551a
(Feb. 1961)



APPROVED

AUG 21 1963

(SUBMIT IN TRIPLICATE)

E. G. HUBBLE UNITED STATES
DISTRICT ENGINEER
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SANTA FE

Project Number 10-0-200-1
Approval expires 12-31-68

REC-10 044126

AUG 21 1963

HUBBLE, E. G.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

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

August 20, 1963

Hanson - CM

Well No. 2 is located 1650 ft. from ~~200~~ S line and 330 ft. from ~~20~~ W line of sec. 23

104/4 SW/4 Sec. 23
(1/4 Sec. and 1/4 Sec. No.)

20 S
(Twp.)

34 E
(Range)

R5PM
(Meridian)

Undesignated (1, 2, 3, 4)
(Field)

Lea
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- Spotted 8/17/63. Cemented 8 5/8" 28# casing at 250 feet with 150 sacks inner 22 calcium chloride. Plug down 12:01 A.M. 8/18/63. Circulated out 20 sacks. WOG 24 hours and pressure tested casing with 600# for 30 minutes, test O.K.

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

Company Bark Royalty Company

Address c/o Oil Reports & Gas Services

Phone 713

Hobbs, New Mexico

By H. S. Smith

Title Agent

UPU 819501

Form 9-281a
(Feb. 1961)



APPROVED
NOV 27 1963

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ACTING DISTRICT ENGINEER

Budget Bureau No. 43 RMM-1
Approval expires 12-31-66

Land Office

Lease No. **IC 066126**

Unit

27 SEP 1963

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

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

August 26, 1963

Well No. **2** is located **1650** ft. from **S** line and **330** ft. from **W** line of sec. **23**
24 1/4 Sec. 23 **20 S** **34 E** **RMPM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Undesignated (Lynch) **Lee** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sand(s); show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Plugged and abandoned 12:01 P. M. 8/24/63 as follows:

50 sacks at total depth 3672
20 sacks at 3300
20 sacks at 1750
35 sacks at 300
8 5/8" casing at 250' left in hole.
10 sacks in top 8 5/8" casing w/ regulation marker.
Rotary mud (wt. 10.15) between all plugs.

Location cleared and levelled and ready for inspection.

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

Company **Dark Royalty Company**

Address **c/o Oil Reports and Gas Services**

Box 742

Elmora, New Mexico

By

H. L. Smith

Title **Agent**

GPO 9-18507

Petroleum Bldg. Roswell, N.M.
Address

This is to certify that the well location shown on the plat in Section 8 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 Surveyed June 17, 1961

Ray A. Lynch
Registered Professional
Engineer and/or Land Surveyor.

Professional No. 2787

(See instructions for completing this form on the reverse side)

IEA COUNTY

NEW MEXICO

LYNCH FLD.

Well: ERNEST A. HANSON #1 D&E Federal

Result: D&A

Loc'n: Sec 23-20S-34E, 330' FSL 2310' FEL Sec.

Spud 7-9-61, Comp 8-9-61, Elev. 3686' TD: 3597

Casing 13 3/8" 253/225 sx, 85/8" 1600/50 sx

Comp Info None

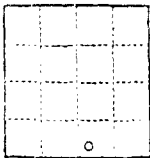
Tops: (EL) Anhy 1612, Salt 1747, B/Salt 3342, Yates 3527.

Joe Hinchell
OIL REPORTS

Date: 11-1-61

Card No.: 15 NM fld.

Form B-571a
(Feb. 1961)



SEP 7 1961

(SUBMIT IN TRIPLICATE)

E. W. STANLEY
DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Proposed 4-gallon casing
9-6-61 F.L. Nubel

Budget Bureau No. 42-4364
Approval expires 12-31-60.

Land Office Santa Fe, N.M.

Lease No. NM 01746

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT..... X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

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

Well No. 15 is located 330 ft. from (M) line and 2310 ft. from (E) line of sec. 23
SW/4SW/4SE 1/4 Sec. 23 20-South 34-East N.M.P.M.
(1/4 Sec. 23 Sec. No.) (Twp.) (Range) (Meridian)
Wilcox Lea New Mexico
(Field) (County or subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3668 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands, show sizes, weights, and lengths of proposed casings; indicate mudding job, cementing points, and all other important proposed work)

TD 3601' Sand, 7" @ 1632' w/40 sx. 8-5/8" @ 1600' w/50/sx. 13-3/8" @ 253' w/225 sx. 7" pulled from 950'. 8-5/8" pulled from 925'. The following cement plugs were set in heavy mud.

- 35 sx. plug @ 3501-3601'.
- 18 sx. plug @ 3315-3365'.
- 41 sx. plug @ 1600-1700'.
- 41 sx. plug @ 950-1050'.
- 125 sx. plug @ 200-300'.
- 15 sx. plug @ surface and regulation marker erected.

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

Company Ernest A. Hanson

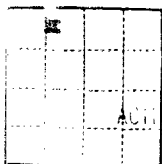
Address P.O. Box 1515

Roswell, New Mexico

By [Signature]

Title Geologist

Form B-551a
(Feb. 1961)



(SUBMIT IN TRIPLICATE)

UNITED STATES OFFICE OCC

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY AM 8:22

Revised Bureau No. 12 12 12
Approval expires 12 31 60

Land Office

Lease No. **LC-06126**

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL
NOTICE OF INTENTION TO CHANGE PLANS
NOTICE OF INTENTION TO TEST WATER SHUT-OFF
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL
NOTICE OF INTENTION TO SHOOT OR ACIDIZE
NOTICE OF INTENTION TO PULL OR ALTER CASING
NOTICE OF INTENTION TO ABANDON WELL

SUBSEQUENT REPORT OF WATER SHUT-OFF
SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
SUBSEQUENT REPORT OF ALTERING CASING
SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
SUBSEQUENT REPORT OF ABANDONMENT
SUPPLEMENTARY WELL HISTORY

X

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

September 30, 1963

Hanson ^{Wp}

Well No. **2** is located **330** ft. from **N** line and **1650** ft. from **W** line of sec. **26**

EE/4 12/4 Sec. 26
(1/4 Sec. and Sec. No.)

20 S
(Twp.)

34 E
(Range)

100W
(Meridian)

Lynch
(Vicki)

Lee
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 9/25/63. Cemented 8 5/8" 230 casing at 233 feet with 175 sacks. Cement circulated. Plug down 5:00 PM 9/26/63. MOC 24 hours and pressure tested casing with 600# for 30 minutes, test O.K.

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

Company **Bark Royalty Company**

Address **c/o Oil Reports & Gas Services**

Box 763

Albany, New Mexico

By **H. L. Smith**

Title **Agent**

U.S. G.S. 100-100

Form 5-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved
Budget Number No. 42 H1494
A. LEASE DESIGNATION AND SERIAL NO.
15-066126

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells. Use "APPLICATION FOR PERMIT" for such purposes.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Flow & Seepage	JAN 15 1964	6. TO FIELD, ALLOTMENT OR TRACT NAME
2. NAME OF OPERATOR Bark Royalty Company	U. S. GEOLOGICAL SURVEY HOBBS, NEW MEXICO	7. WELL-ACQUISITION NAME
3. ADDRESS OF OPERATOR c/o Oil Reports & Gas Services, Box 763, Hobbs, New Mexico		8. PART OF LEASE NAME Section 26
4. LOCATION OF WELL (If well location clearly and in accordance with any State requirements. See also space 17 below.) 330' NW & 1650' NW, Section 26		9. WELL NO. 2
14. PERMIT NO.	15. ELEVATIONS (Show whether W, N, or, etc.) 3695 DP	10. FIELD AND POOL, OR WILDCAT Lynch
		11. SEC. T. R. N., OR N.E. AND S.E. OR A.C. AND Sec. 26, T20S, R34E
		12. COUNTY OR PARISH Lin
		13. STATE N. M.

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACURE TREAT	<input type="checkbox"/>	FRACURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		
FULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETION	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON	<input type="checkbox"/>	ABANDONMENT	<input checked="" type="checkbox"/>
CHANGE PLANS	<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. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plugged and abandoned 10/2/63. Total depth 3667 with 8 5/8" casing set a 233' left in hole. Rotary and between all plugs. Cement plugs as follows:

- 30 sacks at total depth
- 20 sacks at 3320, across base of salt
- 20 sacks at 1740, across top of salt
- 35 sacks at 250, across 8 5/8" shoe
- 10 sacks in top with regulation marker.

Location is cleared and leveled and ready for inspection.

APPROVED

FEB 11 1964

E. G. HUBBLE
ACTING DISTRICT ENGINEER

18. I hereby certify that the foregoing is true and correct

SIGNED

F. L. Smith

TITLE

Agent

DATE

October 15, 1963

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COUNTY	Lee	Field Lynch	STATE	N.M.	NO
OPR	Burk Royalty Company				116P
NO	1	LSF Hanson-Federal "D"			
SEC	26	T 20S	BLK 34E	SUR	CO.ORD
LOC	330' fr N & W Lines of Sec.				
MI	FROM	CLASS	3692.3		
SPUD	8-25-63	COMP	9-9-63	FORMATION	DATUM
TST		LOG:			
		Anhy	1572		
CSG & SX		B/Salt	3310		
8 5/8"	270'	175	Yates	3496	
5 1/2"	3730'	435			
TBC	DEPTH	SIZE			
LOCS	EL GR RA	IND MC A			
		TD 3730'		PR	
PROD INT	DAILY RATE	BSAV	GH	GOR	GTU
3614-31'	Swab 176 BOPD				29.5
(Yates)					6 hr
					test of 44 BO
<small>1. Publication limited and publication prohibited by subscribers' agreement. Reproduction rights reserved by Williams & Lee Spouting Service, Inc.</small>					
CONT	Leatherwood Drilg. Co.		PROP DEPTH	3800'	TYPE
DATE					

F.R. 8-15-63
 PD 3800' - Yates-Seven Rivers
 8-26-63 Prep to Spud
 9-3-63 TD 3730', WOC.
 Cored 3612-48', rec 33' sd. & dolo., w/16' show in sand.
 9-10-63 TD 3730', COMPLETED.
 Perf 3614-18', 3620-24', 3628-31' W/2 JSPF
 Frac 12,000 gals oil + 12,000# sd.
 (Holding for tops).
 9-23-63 TD 3730', Completion Reported.

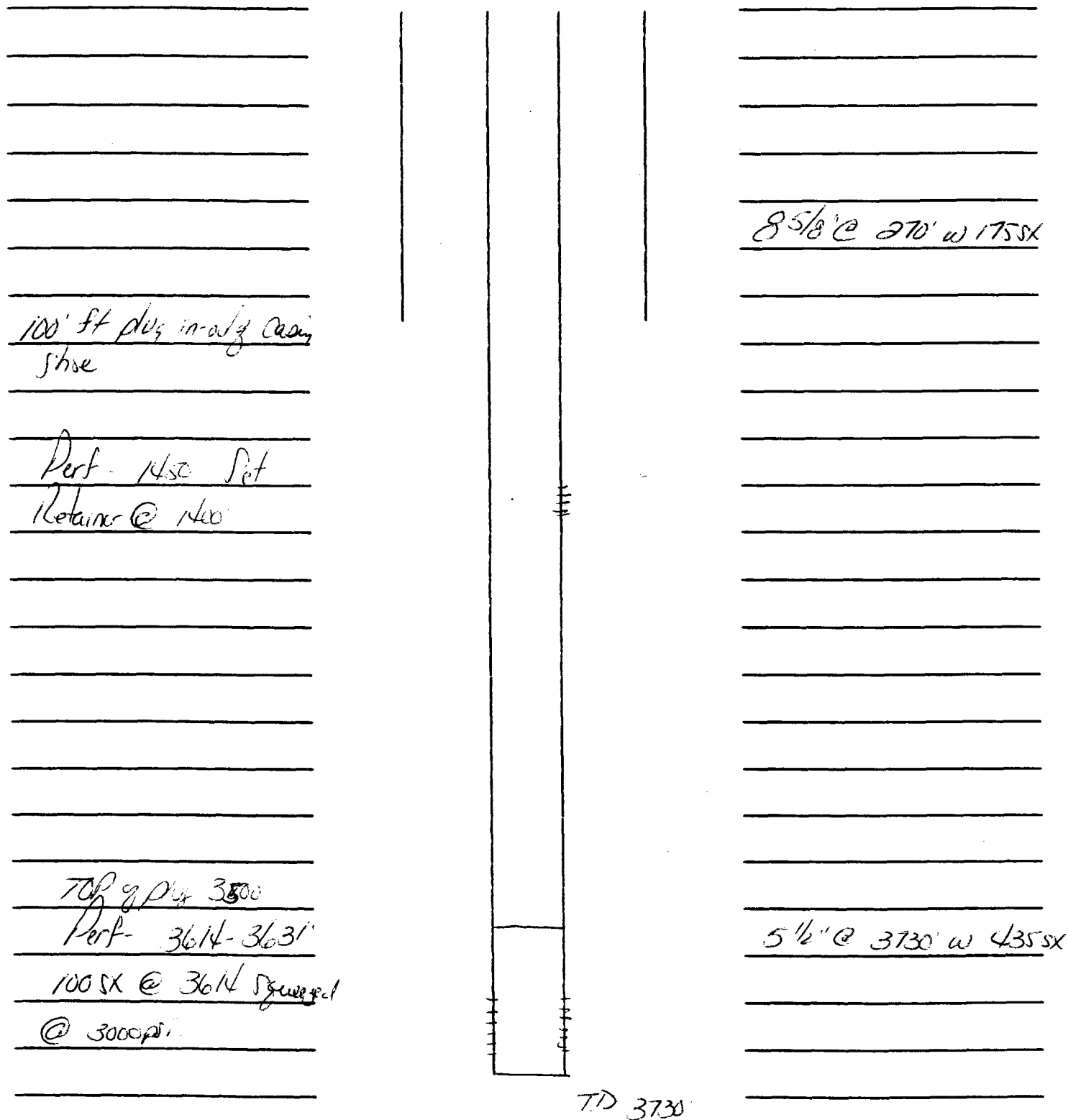
Prepared by
DCE

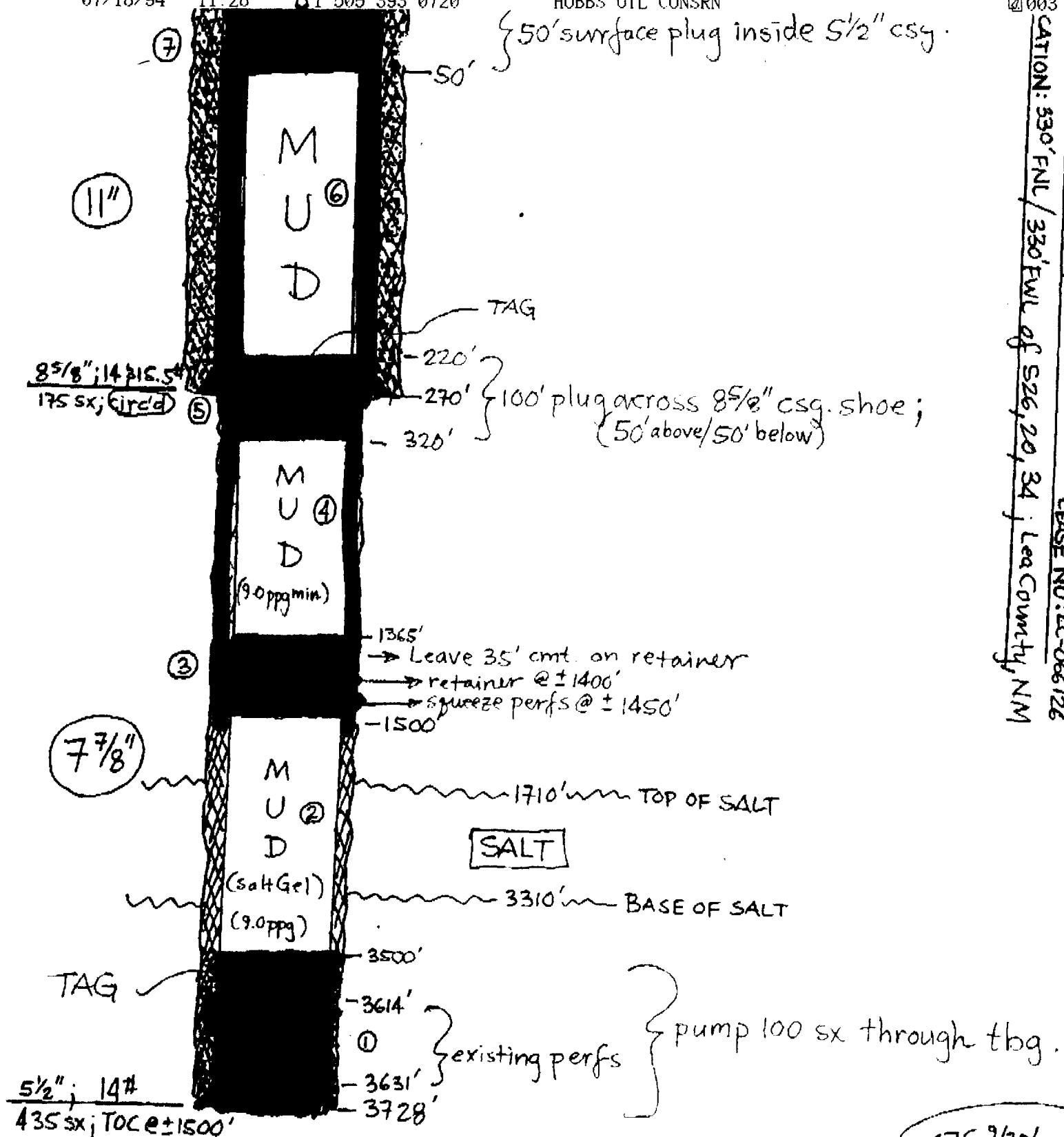
WELL DATA SHEET

OPERATOR: Burk WELL NAME & NO: Hansen "D" No. 1

LOCATION: 330 FEET FROM THE N LINE AND 330 FEET FROM THE W LINE
OF SECTION 26, TOWNSHIP 20 South, RANGE 34 East, NMPM, Lea COUNTY, N.M.

SCHEMATIC





W. Hanson, D. #1
 CATION: 330' FNL / 330' FNL of 526, 20, 34, Lea County, NM
 LEASE NO: LC-066126

SJS 9/30/87

Proposed P&A Procedure: [Green represents cmt/plugs needed to P&A]

- ① pump 100 sx neat cmt. through tubing to cover existing perfs. (TAG PLUG).
- ② pump about 2000' of Salt Gel (9.0 ppg min.) spacer.
- ③ since primary T.O.C. is @ ±1500'; shoot squeeze perfs @ ±1450, set cmt retainer @ ±1400, establish circulation, and attempt to squeeze backside of 5 1/2" csg to surface. Sting out of retainer and leave 35' cmt on top.
- ④ pump another large slug of 9.0 ppg mud.
- ⑤ spot 100' cmt. plug across 8 5/8" csg shoe to extend 50' above/50' below csg shoe. (TAG PLUG)
- ⑥ spot fresh-water mud in surface csg.
- ⑦ Leave 50' surface plug and erect P&A monument.

Form 9-331
(May 1983)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC-066126

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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—" for such proposals.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Burk Royalty Co.

3. ADDRESS OF OPERATOR

P. O. Box BRC, Wichita Falls, TX 76307

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also, space 17 below.)

At surface

Unit Letter D, 330 ft. fNL, 330' FWL,
Sec. 26, T20, R34NMPM.

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hanson D

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Lynch Yates 7 River

11. SEC., T., R., M., OR BLE. AND
SURVEY OR AREA

S26T20R34

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, AT, GR, etc.)

KB 3694'; GR 3682.7'

12. COUNTY OR PARISH

Lea

13. STATE

NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well completion record:

270' 8 5/8" 14-15.5#

3728' 5 1/2"

3579' 5/8" rods

Perforating record:

8 shots from 3614' to 3618'

8 shots from 3620' to 3624'

6 shots from 3628' to 3631'

Proposed Plugging Procedure: ^{PTAG} Pump a 100 sxs. cement plug thru 2 3/8" tbg. - top of plug at 3500'. ~~Set cement retainer at 2000', pump 100 sxs. cement (90 sxs. below cement retainer w/10 sxs. above). Perforate at 800', pump 100 sxs. cement (70 sxs. out, 30 sxs. in). Perforate at 320' and circulate 100 sxs. cement back to surface. Cut pipe off 3' below ground level, weld on cap and bury.~~

*please see attached schematic.

18. I hereby certify that the foregoing is true and correct

SIGNED Robert FowlerTITLE Robert Fowler, Vice Pres. DATE 9/22/87

(This space for Federal or State office use)

APPROVED BY John L. AdamsTITLE _____ DATE 10/1/87

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RECEIVED
SEP 24 10 44 AM 1987
CARTER
AREA HEADQUARTERS