

CONOCO INC. FOR A DUAL COM-
LEA COUNTY, NEW MEXICO.

CASE NO.

7066

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
29 October 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Conoco, Inc., for)
a dual completion, Lea County,)
New Mexico.)

**CASE
7066**

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

W. Perry Pearce, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

W. Thomas Kellahin, Esq.
KELLAHIN & KELLAHIN
500 Don Gaspar
Santa Fe, New Mexico 87501

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JERRY HOOVER

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MR. NUTTER: Call next Case Number

7066.

MR. PEARCE: Application of Conoco, Inc., for a dual completion, Lea County, New Mexico.

MR. KELLAHIN: Tom Kellahin of Santa Fe, New Mexico, appearing on behalf of the applicant, and I have one witness.

(Witness sworn.)

JERRY HOOVER

being called as a witness and having been duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you please state your name, by whom you're employed, and in what capacity?

A I'm Jerry Hoover, employed by Conoco, Incorporated, as a reservoir engineer.

Q And, Mr. Hoover, have you previously testified before the Division as a reservoir engineer and had your qualifications accepted and made a matter of record?

A Yes, I have.

Q And pursuant to your employment, have you made a study of the facts surrounding this particular application?

A Yes, I have.

MR. KELLAHIN: We tender Mr. Hoover as an expert reservoir engineer.

MR. NUTTER: Mr. Hoover is qualified.

Q Mr. Hoover, would you please refer to Exhibit Number One, identify the exhibit for us, and explain what Conoco is seeking to accomplish?

A Exhibit Number One is a well location and acreage dedication plat. We have recently drilled out Britt "B" No. 27 at 1980 from the north line, 1980 from the east line, in Section 15 of Township 20 South and Range 37 East, Lea County, New Mexico.

We wish to dually complete this well in the Weir-Drinkard Pool and in the Undesignated Abo Pool.

We would like to dedicate 40 acres in Unit G, outlined in blue, to the Weir-Drinkard completion, and the 160 acres outlined in red, consisting of the east half of the northwest quarter and the west half of the northeast quarter in Section 15 to the Undesignated Abo completion.

Q You said this well has been drilled. What's its status of completion?

1
2 A It's currently shut-in; producing
3 equipment is in the process of being put in the well.

4 Q Exhibit Number Two, would you identify
5 that?
6

7 A Exhibit Number Two is a location plat
8 of the area, showing the Britt No. 27 Well and surrounding
9 wells. You'll note by the letters under the wells they're
10 keyed to the legend, showing which zones have been produced
11 in the offset wells.

12 Q All right, sir, Exhibit Number Three.

13 A Exhibit Number Three is a State appli-
14 cation for multiple completion form, which shows the top and
15 bottom of the pay sections in the Drinkard and Abo, and also
16 the type and method of production.
17

18 Q While you're on that exhibit, Mr. Hoover,
19 does -- is the Abo gas that's produced from the Abo, do you
20 anticipate that to be a dry gas or will liquids be produced?

21 A We anticipate that to be a dry gas well.

22 Q And the Drinkard you anticipate to be
23 an oil zone. Will water or gas be produced from that zone?

24 A Oil, some water and gas should be pro-
25 duced.
26

27 Q Would you turn to Exhibit Number Four?
28 Would you identify that for us?

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2 A Exhibit Number Four is a schematic,
3 showing the downhole equipment that will be installed in the
4 well. The well is planned for -- the well was initially
5 planned as a Penn single or a Blinbry-Drinkard dual. We
6
7 pered two zones in the Penn, Cass-Penn Pool; neither zone
8 proved to be commercially productive, and we set cast iron
9 bridge plugs on top of each of those zones.

10 Then after analysis of the logs, we
11 discovered an interval in the Abo that we pered and tested
12 and did obtain what appears to be commercial production in the
13 Abo zone. So we now propose dualing the Abo with the Drinkard
14 in this particular well.

15
16 Q You will produce each zone through its
17 own separate string of tubing?

18 A That is correct.

19 Q And how will you satisfy yourself that
20 the two zones have been isolated?

21 A The production casing has -- the cement
22 has been circulated to the surface behind the casing, and
23 the two zones will be separated by a packer within the casing.

24 Q Would you identify for us on your
25 schematic any production tests you've had on the Abo formation?

26 A Yes. The Abo tested for 1.68 million
27 per day of gas, and 41 barrels of water.
28

The Drinkard was swab tested for 33 barrels of oil, 77 barrels of water. No gas test is available yet, and the oil cut was increasing on those swab tests.

Q Would you describe for us in a summary way how this parallel anchor set at 6899 feet operates to allow you to produce the Drinkard up through that string of tubing?

A Yes. The parallel anchor simply holds both tubing strings in place; does not restrict the flow of the perfs, which are slightly above where the tubing is shown to be set in the Drinkard. So production will flow downward into the pump through the anchor.

Q Would you identify Exhibit Number Five?

A Exhibit Number Five is a CNL-FDC log, showing the perforations in the Drinkard formation.

Q In your opinion, Mr. Hoover, will approval of this application be in the best interests of conservation, prevention of waste, and the protection of correlative rights?

A Yes, it will.

Q And were Exhibits One through Five compiled by you directly or under your direction and supervision?

A Yes, they were.

Q Let me ask you about Number Six. You've

1
2 got one more? What is Exhibit Number Six?

3 A Exhibit Number Six is also a porosity
4 log showing the perforations in the Abo,

5 Q Was that exhibit also compiled under
6 your direction and supervision?
7

8 A Yes, it was.

9 MR. KELLANTIN: Move the introduction of
10 Exhibits One through Six.

11 MR. NUTTER: Exhibits One through Six
12 will be admitted in evidence.
13

14 CROSS EXAMINATION

15 BY MR. NUTTER:

16 Q Now, Mr. Hoover, the well has been tested
17 in the Abo, making 1.68 million a day, but it's making 41
18 barrels of water. Do you anticipate it's going to flow against
19 that water or will it have to have a pump on it?
20

21 A We anticipate that it will flow.

22 Q It will, and you do know that you're
23 going to have to pump the Drinkard production?
24

25 A That's correct.

26 Q Now, your estimated bottom hole pressure
27 in the Drinkard is 1700 pounds?
28

A Yes, sir.

Q And 2422 pounds in the Abo.

A That's correct.

Q Is the Baker Model A-2 Locset packer sufficient to withstand the differential pressure between those two zones?

A Yes, that should be sufficient for that differential pressure.

Q Okay, now you mentioned with respect to the Abo that you would dedicate the west half of the northeast quarter and the east half of the northwest quarter --

A Yes, sir.

Q -- as a 160-acre gas unit. I'm not sure, but I think that you might have to have a hearing to get approval for a non-standard unit crossing the quarter section. I'm not sure about that, but the non-standard proration unit is not a matter of hearing here today, at least, we do know that. You will have to get approval, either administratively or after a hearing for that non-standard proration unit.

A The reason for this placement is that 320 feet from the east line, running all the way through this section north to south, is a unit line.

Q I see that. That's the unit boundary there.

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2 A Right.

3 Q Yes, That shows on Exhibit Number Two.

4 A All right, fine.

5 MR. NUTTER: Are there any further ques-
6 tions of the witness? He may be excused.

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8 Do you have anything further, Mr. Kella-
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10 MR. KELLAHIN: Not in this case.

11 MR. NUTTER: Does anyone have anything
12 they wish to offer in Case Number 7066?

13 We'll take the case under advisement.

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15 (Hearing concluded.)
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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B

Suite 106, New Mexico 87501

Phone (505) 455-7409

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7066 heard by me on 10/29 1980

[Signature], Examiner
Oil Conservation Division

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ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
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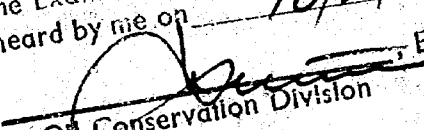
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16 (Hearing concluded.)
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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that
the foregoing Transcript of Hearing before the Oil Conserva-
tion Division was reported by me; that the said transcript
is a full, true, and correct record of the hearing, prepared
by me to the best of my ability.

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 435-7409

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 7066.
heard by me on 10/29 1980.
 Examiner
Oil Conservation Division

- CASE 7065:** Application of El Paso Natural Gas Company for twelve non-standard proration units, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the establishment of eight non-standard proration units for Pictured Cliffs wells to be drilled in the W/2 of partial Sections 6, 7, 18, 19, 30 and 31 of Township 30 North, Range 4 West, and four non-standard proration units for Pictured Cliffs wells in partial Sections 7, 8, and 9 of Township 28 North, Range 4 West.
- CASE 7066:** Application of Conoco Inc. for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Britt "B" Well No. 27 located in Unit G of Section 15, Township 20 South, Range 37 East, to produce oil from the Weir-Drinkard or an undesignated Blinbry pool and an undesignated abn pool.
- CASE 7067:** Application of Conoco Inc. for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Dagger Draw Com. Well No. 4 located in Unit J of Section 25, Township 19 South, Range 24 East, to produce oil from the North Dagger Draw-Upper Penn Pool and gas from an undesignated Morrow pool.
- CASE 7068:** Application of Conoco Inc. for a dual completion and an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Penny Federal Com. Well No. 2 at an unorthodox location 1650 feet from the North line and 1980 feet from the East line of Section 23, Township 20 South, Range 24 East, to produce oil from the South Dagger Draw-Upper Penn Pool and gas from an undesignated Morrow pool.
- CASE 7069:** Application of Anadarko Production Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Morrow test well to be drilled 600 feet from the South and East lines of Section 4, Township 19 South, Range 25 East, the S/2 of said Section 4 to be dedicated to the well.
- CASE 7070:** Application of Tesoro Petroleum Corporation for a pilot caustic flood project, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a one-acre pilot caustic flood project in the Hospah Field by the injection of caustic fluid into the Seven Lakes Sand of the Upper Hospah Field at an approximate depth of 300-500 feet through four injection wells in Unit K of Section 1, Township 17 North, Range 9 West.
- CASE 7071:** Application of Jake L. Hamon for an unorthodox well location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of a 640-acre proration unit comprising all of Section 17, Township 20 South, Range 36 East, North Osado-Morrow Pool, to its Amerada Federal Well No. 2 located in Unit F and its Amerada Federal Well No. 3, to be drilled at an unorthodox location 1650 feet from the South line and 660 feet from the East line of said Section 17.
- CASE 6668:** (Reopened and Readvertised)
- In the matter of Case 6668 being reopened pursuant to the provisions of Order No. R-6139 which order promulgated temporary special rules and regulations for the South Culebra Bluff-Bone Spring Pool in Eddy County, New Mexico, including a provision for 80-acre spacing units. Operators in said pool may appear and show cause why the pool should not be developed on 40-acre spacing units.
- CASE 7005:** (Continued from September 17, 1980, Examiner Hearing)
- Application of Sol West III for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Morrow formation for his Turkey Track-Morrow Sand Well No. 1 in Unit I of Section 26, Township 18 South, Range 28 East.
- CASE 7072:** Application of Enserch Exploration, Inc. for pool creation and special pool rules, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Pennsylvanian oil pool for its Enserch Amoco State Well No. 1 located in Unit L of Section 16, Township 4 South, Range 33 East, and the promulgation of special pool rules therefor, including a provision for 80-acre spacing.
- CASE 7073:** Application of Enserch Exploration, Inc. for pool creation, temporary special pool rules, and assignment of a discovery allowable, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Fusselman oil pool for its J. G. O'Brien Well No. 1 located 1990 feet from the North line and 660 feet from the West line of Section 31, Township 7 South, Range 29 East, with special rules therefor, including provisions for 80-acre spacing, a limiting gas-oil ratio of 3000 to one and special well location requirements providing for the drilling of wells within 150 feet of the center of a quarter-quarter section. Applicant further seeks approval of a 74.24-acre proration and spacing unit and a discovery allowable for said J. G. O'Brien Well No. 1.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLATForm C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

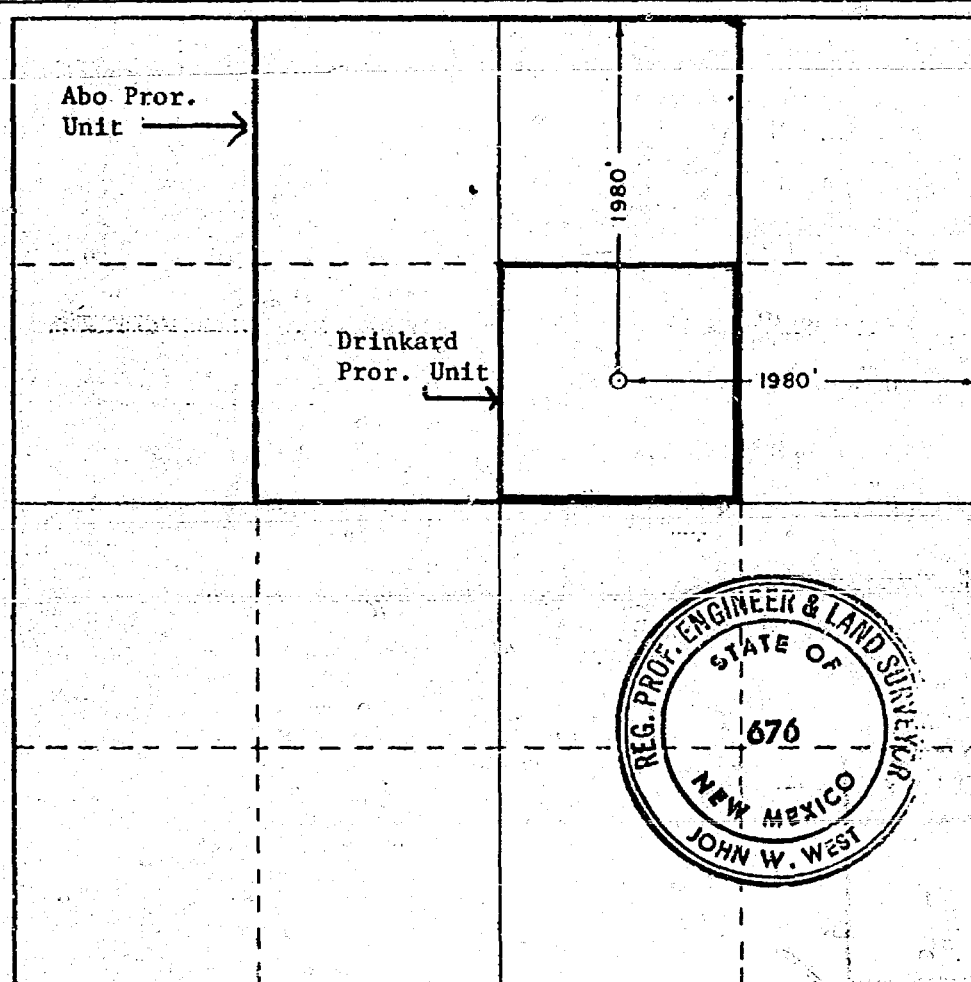
Operator Conoco, Inc.		Lease Britt "B"		Well No. 27
Unit Letter G	Section 15	Township 20 South	Range 37 East	County Lea
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the East line				
Ground Level Elev. 3559.1	Producing Formation Drinkard Abo	Pool Weir Drinkard Undesignated Abo	Dedication Acreage: Dkd = 40 Abo = 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Name _____

Position _____

Company _____

Date _____

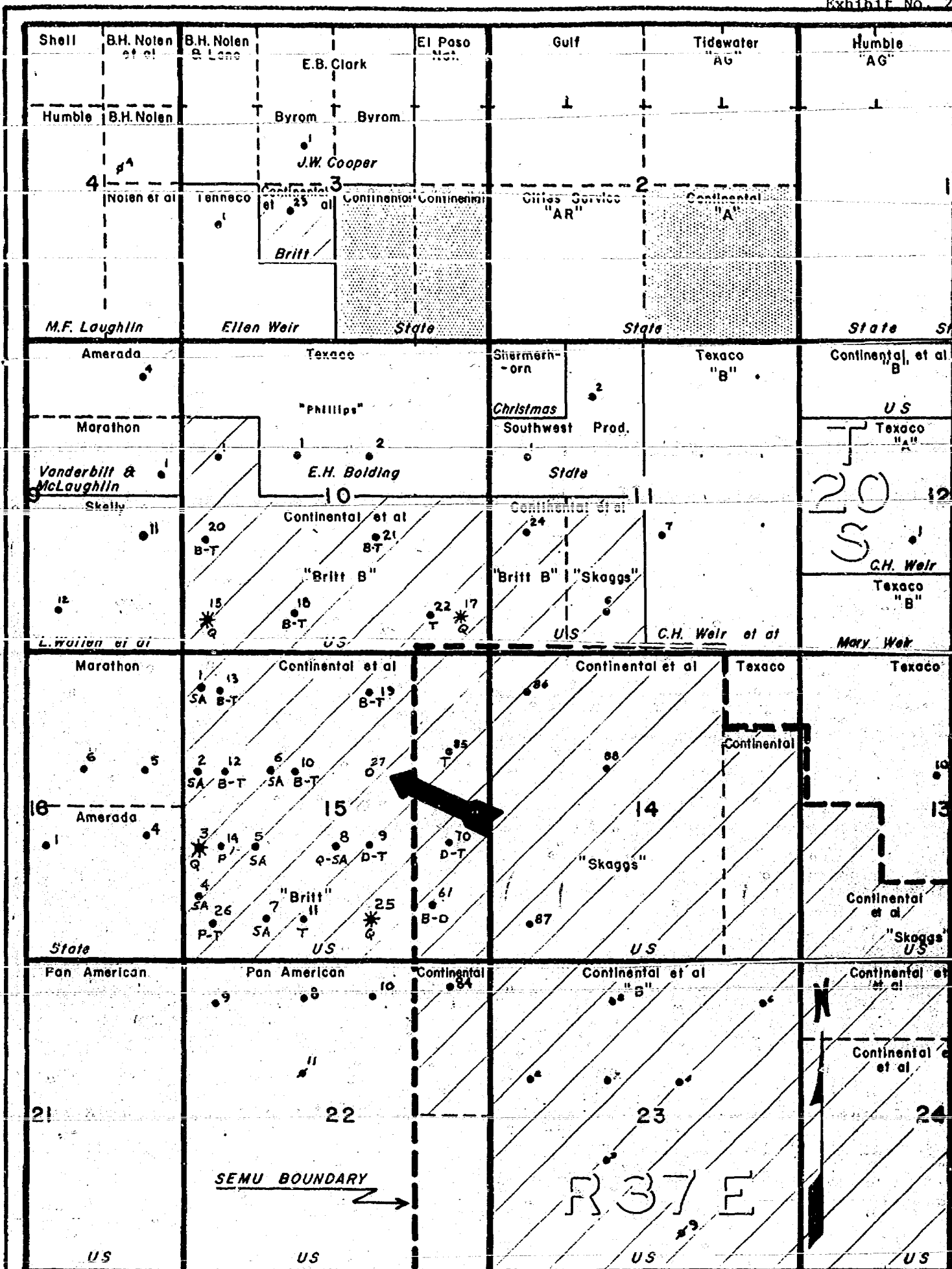
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Feb. 21, 1980

Registered Professional Engineer and/or Land Surveyor

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 8883
Residing at _____



B- Blinbry
D- Drinkard
P- Paddock
Q- Queen
SA- San Andres
T- Tubb

CONTINENTAL OIL COMPANY
PRODUCTION DEPARTMENT
HOBBS DISTRICT
MONUMENT TUBB POOL
Lea County, New Mexico

SCALE
0 1000 2000

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator		CONOCO INC.		County	Lea	Date	
Address		P.O. Box 460, Hobbs, NM 88240		Lease	Britt B	Well No.	27
Location or Well	Unit	Section	Township	Range			
	G	15	20S	37E			

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Drinkard		Abo
b. Top and Bottom of Pay Section (Perforations)	6664' 6850'		7046' 7056'
c. Type of production (Oil or Gas)	oil		gas
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Flowing

4. The following are attached. (Please mark YES or NO)

- _____ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- _____ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- * _____ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- _____ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

*Conoco Inc. operates all offsets

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, give date of such notification _____

CERTIFICATE: I, the undersigned, state that I am the Assistant Division Mgr. of the Conoco Inc. (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 therein are true, correct and complete to the best of my knowledge.

John R. Kemp
Signature

- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest or comment for hearing is received by the Santa Fe office, the application will then be approved.

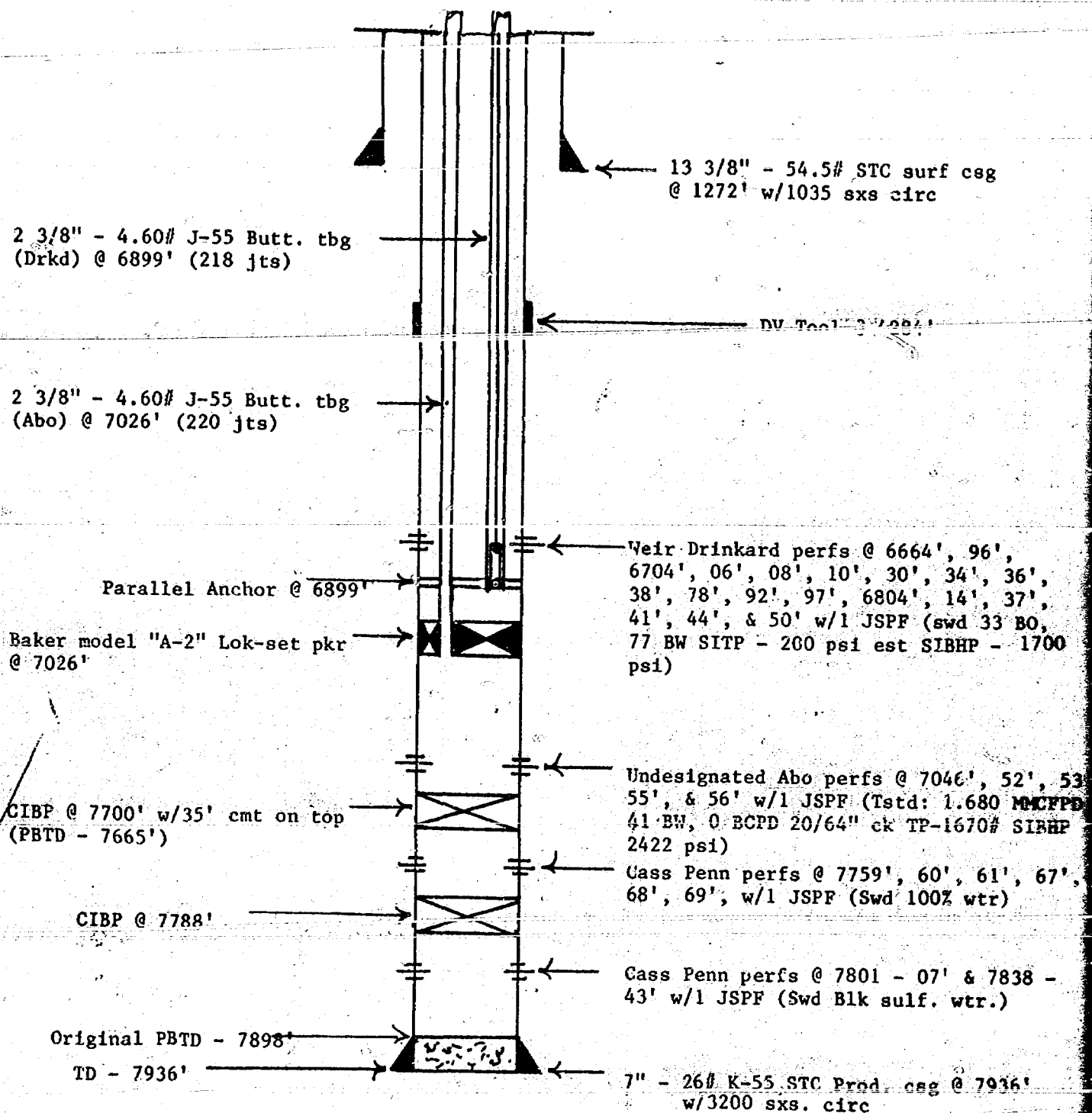
WELLBORE DIAGRAM

Exhibit No. 4

TD: 7936'
PBTD: 7665'

Britt B No. 27
Elev: 3559.1' G.L.
KBM: 11' AGL

Location: 1980' FNL & 1980' FEI
Sec. 15, T-20S, R-37E
Lea County, NM



6600

GR-CNL-FDC LOG

BRIT B #27

Elev: 3562' G.L.

KBM: 11' AGL

NEP: 38'

WEIR DRINKARD

6694

6700

6696

6704

6706

6708

6710

6730

6734

6736

6738

6778

6792

6800

6797

6804

6804

6837

6841

6844

6850

EXHIBIT #6

GR-SNK-FDC 106

BRETT B # 27

ELEV: 3542' G.L.

KRM: 11' AGL

NEP: 5'

UNDESIGNATED ABO

7000

7046

7052
7053
7055
7057

7100

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION

Conservation EXHIBIT NO. 6
7066

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the center boundaries of the Section.

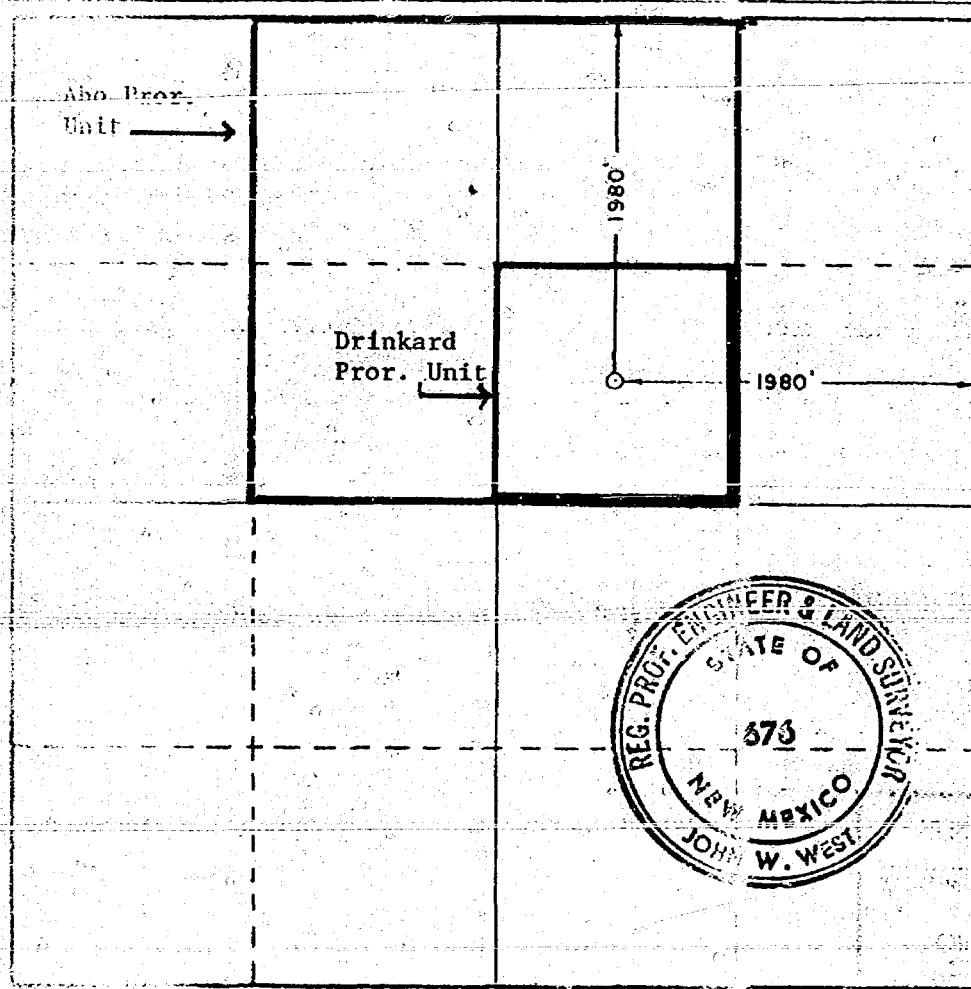
Conoco, Inc.		Lease		Britt "B"		Well No. 27	
Section	15	Township	20 South	Range	37 East	County	Lea
Actual Location of Well:							
1980 feet from the North line and		1980 feet from the East line					
Spot Elev.	3550.1	Producing Formation	Drinkard Abo	Pool	well Drinkard Undesignated Abo	Dkd - 40	Abo - 160 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.

Name _____

Position _____

Company _____

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 Surveyed _____

Feb. 21, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST 573
PATRICK A. BOMERO 6085
Revised 12-1-78 12-78

CONTINENTAL OIL COMPANY
PRODUCTION DEPARTMENT
HOBBS DISTRICT
MONUMENT TUBB POOL
Lea County, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

Exhibit No. 3

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator	CONOCO INC.		County	Lea	Date
Address	P.O. Box 460, Hobbs, NM 88240		Lease	Britt B	Well No. 27
Location of Well	Unit C	Section 15	Township 20S	Range 37E	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Drinkard		Abo
b. Top and Bottom of Pay Section (Perforations)	6664' 6850'		7046' 7056'
c. Type of production (Oil or Gas)	oil		gas
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Flowing

4. The following are attached. (Please mark YES or NO)

- _____ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and /or turbolizers and location thereof, quantities used and top of cement; perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- _____ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- * _____ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- _____ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

*Conoco Inc. operates all offsets

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, give date of such notification _____

CERTIFICATE: I, the undersigned, state that I am the Assistant Division Mgr. of the Conoco Inc. (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 therein are true, correct and complete to the best of my knowledge.

John R. Kemp
Signature

- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no action or request for hearing is received by the Santa Fe office, the application will then be rejected.

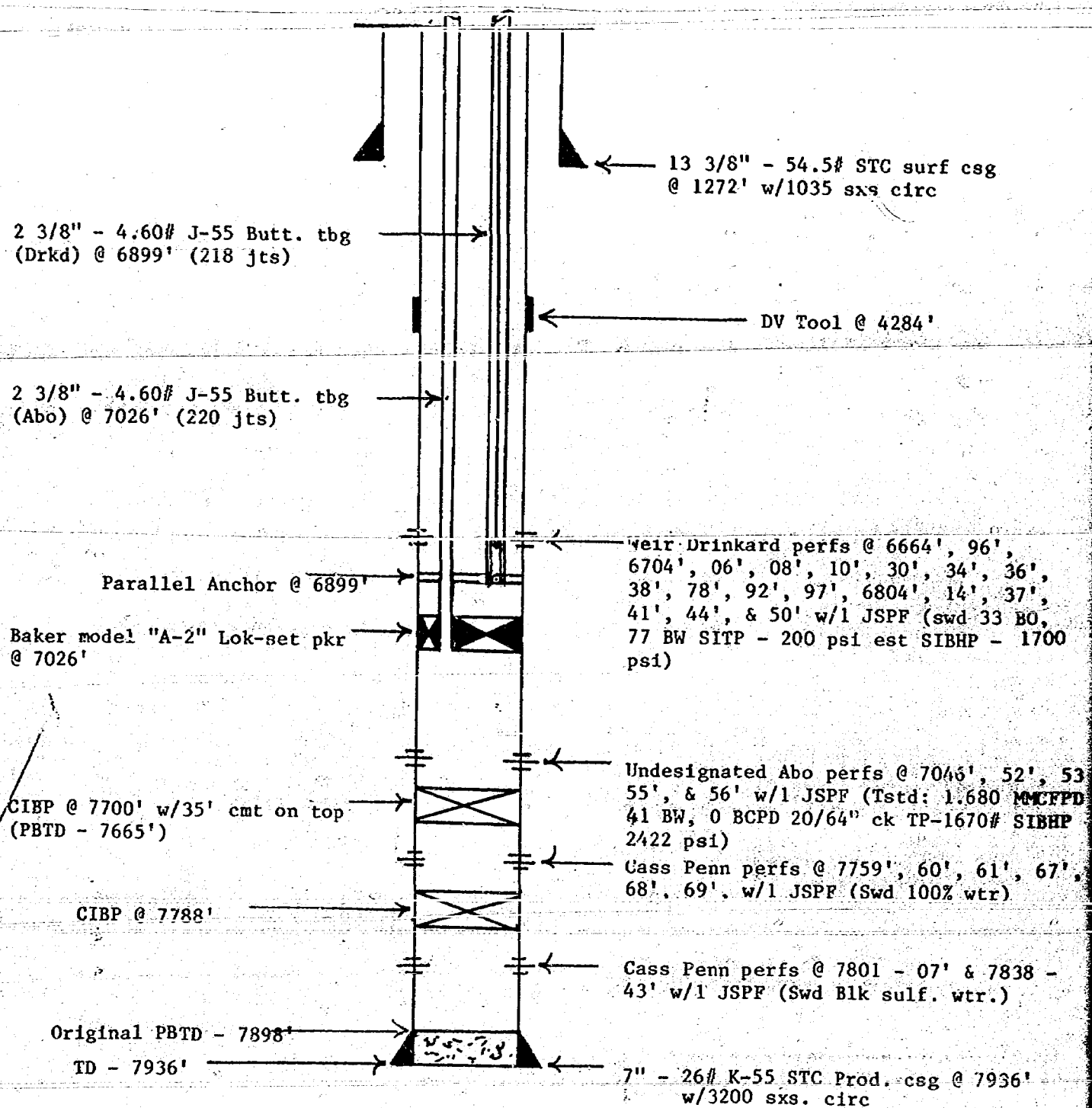
WELLBORE DIAGRAM

Exhibit No. 4

ID: 7936'
PBSD: 7665'

Britt B No. 27
Elev: 3559.1' G.L.
KBM: 11' AGL

Location: 1980' FNL & 1980' FRI
Sec. 15, T-20S, R-37E
Lea County, NM



5600

GR-CNCL-FDC LOG

BRIT B #27

ESTD: 3562' G.L.

KBM: 11' AGL

NAP: 39'

WEIR DRAINAGE

→ 6664

→ 6696

5700

→ 6704
→ 6706
→ 6708
→ 6710

→ 6730
→ 6734
→ 6736
→ 6738

→ 6778

→ 6792

→ 6797

5800

→ 6804

→ 6844

→ 6837

→ 6841
→ 6844

→ 6850

EXHIBIT # 6

GR-ONL-FDC 106

BRIT B # 27

ELEV: 3562' 6 L.

KBM: 11' AGL

NEP: 5'

UNDESIGNATED A80

2000

7046

7052
7053
7055
7057

2100

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION

Conservation EXHIBIT NO. 6

CASE NO. 7006

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

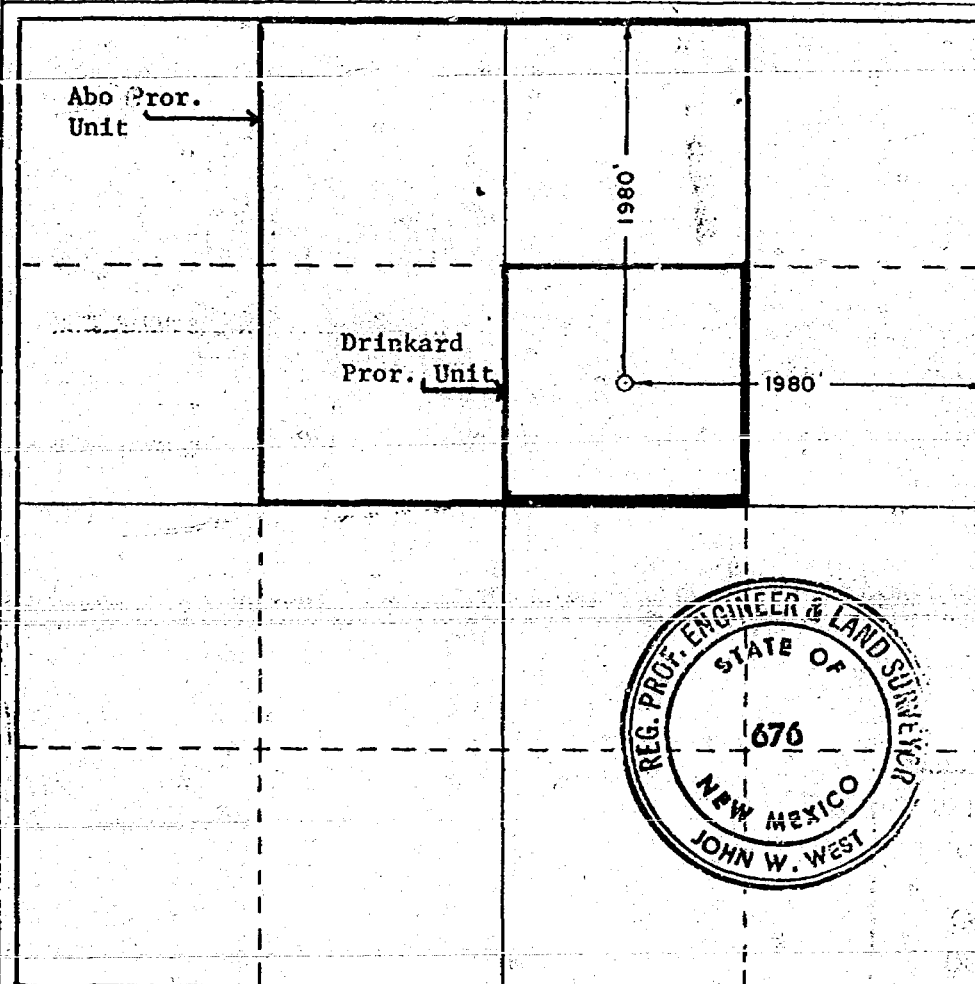
Operator Conoco, Inc.		Lease Britt "B"		Well No. 27
Unit Letter G	Section 15	Township 20 South	Range 37 East	County Lea
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the East line				
Ground Level Elev. 3559.1	Producing Formation DRINKARD Abo	Pool Weir Drinkard Undesignated Abo	Dedicated Acreage: Abo - 160 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.

Name _____

Position _____

Company _____

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 Surveyed _____

Feb. 21, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6665
Burlington, E. 10th

CONTINENTAL OIL COMPANY
PRODUCTION DEPARTMENT
HOBBS DISTRICT
MONUMENT TUBB POOL
Lea County, New Mexico

SCALE

0 1000 2000

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator	CONOCO INC.		County	Lea	Date
Address	P.O. BOX 460, Hobbs, NM 88240		Lease	Britt B	Well No. 27
Location of Well	Unit G	Section 15	Township 20S	Range 37E	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Drinkard		Abo
b. Top and Bottom of Pay Section (Perforations)	6664' 6850'		7046' 7056'
c. Type of production (Oil or Gas)	oil		gas
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Flowing

4. The following are attached. (Please mark YES or NO)

- _____ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and /or turbolizers and location thereof; quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and slide door chokes, and such other information as may be pertinent.
- _____ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- * _____ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- _____ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

*Conoco Inc. operates all offsets

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, give date of such notification _____

CERTIFICATE: I, the undersigned, state that I am the Assistant Division Mgr. of the Conoco Inc. (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 therein are true, correct and complete to the best of my knowledge.

John K. Kemp
Signature

- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no waivers are received for hearing in said office, the application will then be rejected.

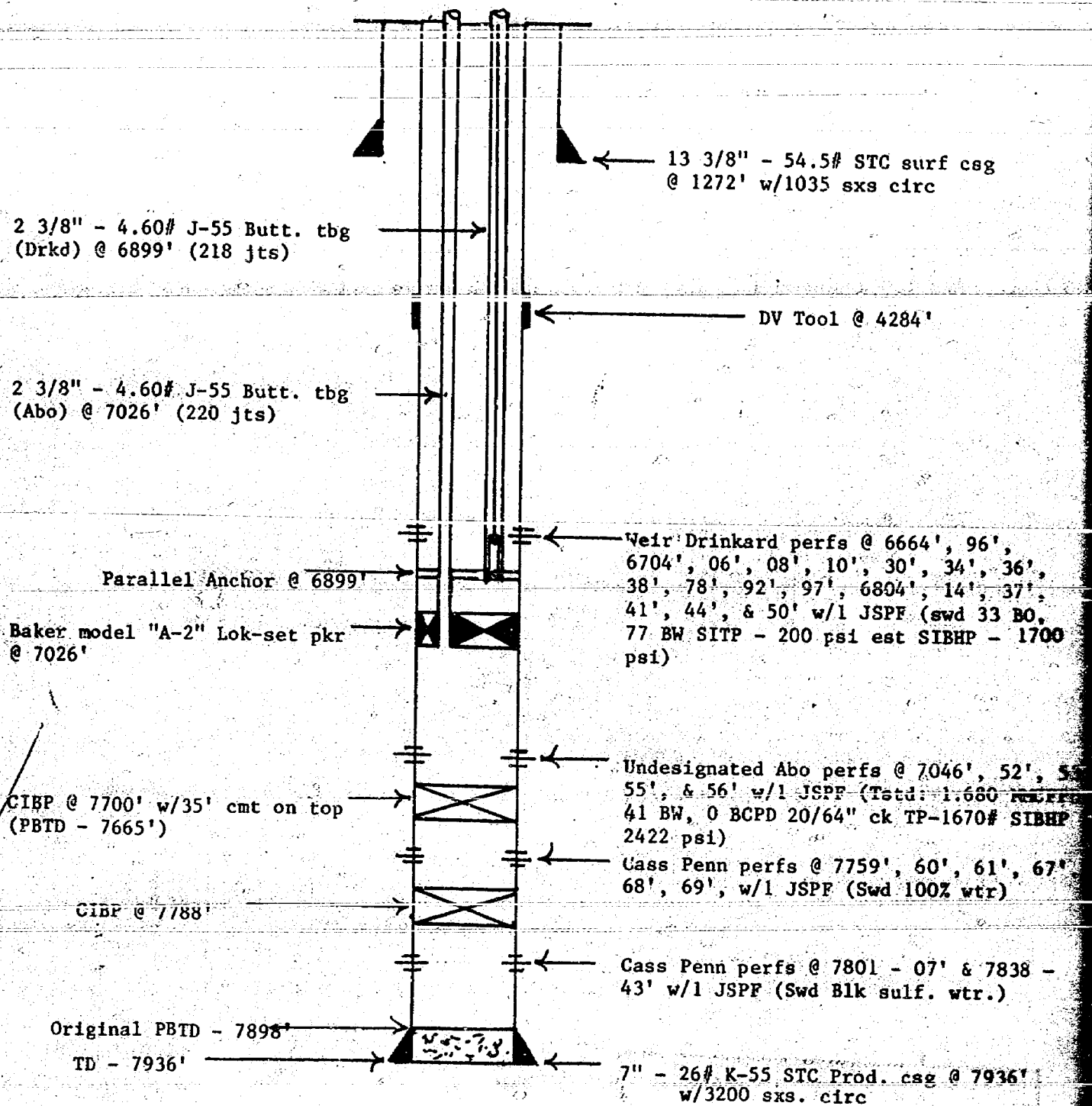
WELLBORE DIAGRAM

Exhibit No. 4

TD: 7936'
PBSD: 7665'

Britt B No. 27
Elev: 3559.1' G.L.
KBM: 11' AGL

Location: 1980' FNL & 1980' FE
Sec. 15, T-20S, R-37
Lea County, NM



6800

GR-CNL-FDC LOG

BRIT 3 #27

Elev: 3562' G.L.

KBM: 11' AGL

NEP: 38'

WEIR DRINKARD

→ 6664

→ 6696

6700

→ 6704
→ 6706
→ 6708
→ 6710

→ 6730

→ 6734
→ 6736
→ 6738

→ 6778

→ 6792

→ 6797

6800

→ 6804

→ 6814

→ 6837

→ 6841
→ 6844

→ 6850

EXHIBIT #6

SR- CNL- FDC 106

BRTT B# 27

ELEV: 3562' G.L.

KBM: 11' AGL

NEP: 5'

UNDESIGNATED ABO

7000

7046

7052
7053
7055
7057

7100

BEFORE EXAMINER NUT
OIL CONSERVATION DIV.

Conce. Inc. EXHIBIT NO. 6
DATE 7066

BEFORE THE OIL CONSERVATION DIVISION
ENERGY AND MINERALS DEPARTMENT
OF THE STATE OF NEW MEXICO

RECEIVED
OCT 15 1980
OIL CONSERVATION DIVISION
SANTA FE

IN THE MATTER OF THE APPLICATION OF
CONOCO INC. FOR APPROVAL TO DUALY
COMPLETE ITS BRITT "B" WELL NO. 27
IN THE WEIR DRINKARD AND UNDESIGNATED
ABO POOLS OR THE UNDESIGNATED BLINEBRY
(EAST WEIR) AND UNDESIGNATED ABO POOLS
AT A STANDARD LOCATION 1980' FNL AND
1980' FEL OF SECTION 15, T-20S, R-37E,
LEA COUNTY, NEW MEXICO

A P P L I C A T I O N

Applicant, CONOCO INC., respectfully requests authority to dualy complete its Britt "B" Well No. 27, located in Unit "G" of Section 15, T-20S, R-37E, Lea County, New Mexico, in the Weir Drinkard pool and the Undesignated Abo pool or the Undesignated Blinebry and Abo pools, and in support thereof will show:

1. Applicant is operator and co-owner of the Britt "B" Lease, which in addition to other lands includes the W/2 and W/2 E/2 of Section 15, T-20S, R-37E, Lea County, New Mexico.
2. Applicant intends to complete in the Weir Drinkard and Undesignated Abo pools or the Undesignated Blinebry and Undesignated Abo pools its Britt "B" Well No. 27, located in Unit "G" of said Section 15 on said lease.
3. That dual completion in the above named pools will recover reserves that would not otherwise be recovered.
4. That no other well is known to have produced simultaneously from these two zones in these reservoirs.
5. That the granting of this application will prevent waste and will not impair the correlative rights of any party.

WHEREFORE, applicant respectfully requests that this application be set for hearing before the Division's duly appointed examiner, and upon hearing, an order be entered authorizing the dual completion of the Britt "B" Well No. 27, as described above.

Respectfully submitted,
CONOCO INC.

By John R. Voss
Asst. Division Manager of Production
Hobbs Division

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION

RECEIVED

OCT 15 1980

Operator CONOCO INC.		County Lea		Date SANTA FE	
Address P.O. Box 460, Hobbs, New Mexico 88240		Lease Britt B		Well No. 27	
Location of Well	Unit G	Section 15	Township 20S	Range 37E	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X

2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Blinebry		Abo
b. Top and Bottom of Pay Section (Perforations)	5780' (marker)		7046' 7056'
c. Type of production (Oil or Gas)	oil		gas
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Flowing

4. The following are attached. (Please mark YES or NO)

- _____ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and /or turbolizers and location thereof, quantities used and top of cement; perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- _____ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- * _____ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- _____ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

*Conoco Inc. operates all offsets

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, state date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Assistant Division Mgr. of the Conoco Inc. (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 therein are true, correct and complete to the best of my knowledge.

John H. Kemp
Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an increase in production, the application will be processed.

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION

RECEIVED

OCT 15 1980

541-61

OIL CONSERVATION DIVISION

Operator CONOCO INC.		County Lea		Date
Address P.O. Box 460, Hobbs, NM 88240		Lease Britt B		Well No. 27
Location of well	Unit C	Section 15	Township 20S	Range 37E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X

2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Drinkard		Abo
b. Top and Bottom of Pay Section (Perforations)	6640' (marker)		7046' 7056'
c. Type of production (Oil or Gas)	oil		gas
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Flowing

4. The following are attached. (Please mark YES or NO)

- _____ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- _____ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- _____ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- _____ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

*Conoco Inc. operates all offsets

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, give date of such notification _____

CERTIFICATE: I, the undersigned, state that I am the Assistant Division Mgr. of the Conoco Inc. (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 therein are true, correct and complete to the best of my knowledge.

John R. Kemp
Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest or comment for hearing is received by the Santa Fe office, the application will then be processed.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED
OCT 15 1980
Form C-102
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

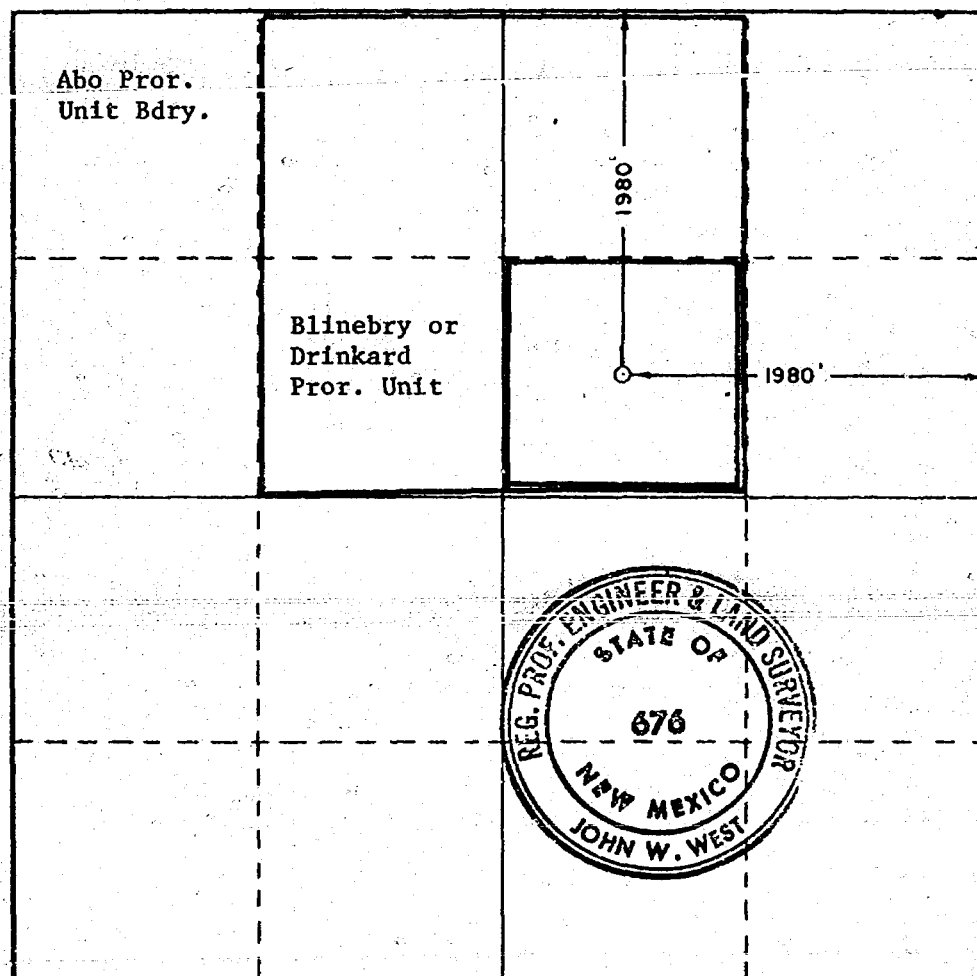
Operator Conoco, Inc.			Lessee Britt "B"			Well No. 27	
Unit Letter G	Section 15	Township 20 South	Range 37 East	County Lea			
Actual Footage Location of Well:							
1980 feet from the North line and		1980 feet from the East line					
Ground Level Elev. 3559.1	Producing Formation Abo - Blinebry or Abo - Drinkard		Pool Undesignated Abo and Weir Blinebry or Weir Drinkard			Dedicated Acres: 160 (Abo) 40 (Bl or Dkd)	

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.

SIGNED: H. A. INGRAM

Name
Hugh A. Ingram
Position
Conservation Coordinator
Company
CONOCO INC.
Date
10-10-80

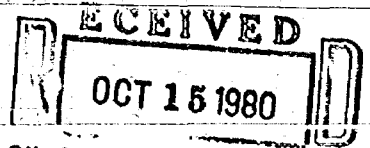
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Feb. 21, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 8883
Ronald J. Eidson 3239

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400 6720 7040 7360 7680 8000 8320 8640 8960 9280 9600 9920 10240 10560 10880 11200 11520 11840 12160 12480 12800 13120 13440 13760 14080 14400 14720 15040 15360 15680 16000



BEFORE THE OIL CONSERVATION DIVISION
ENERGY AND MINERALS DEPARTMENT
OF THE STATE OF NEW MEXICO

OIL CONSERVATION DIVISION
SANTA FE

IN THE MATTER OF THE APPLICATION OF
CONOCO INC. FOR APPROVAL TO DUALY
COMPLETE ITS BRITT "B" WELL NO. 27
IN THE WEIR DRINKARD AND UNDESIGNATED
ABO POOLS OR THE UNDESIGNATED BLINEBRY
(EAST WEIR) AND UNDESIGNATED ABO POOLS
AT A STANDARD LOCATION 1980' FNL AND
1980' FEL OF SECTION 15, T-20S, R-37E,
LEA COUNTY, NEW MEXICO

A P P L I C A T I O N

Applicant, CONOCO INC., respectfully requests authority to dualy complete its Britt "B" Well No. 27, located in Unit "G" of Section 15, T-20S, R-37E, Lea County, New Mexico, in the Weir Drinkard pool and the Undesignated Abo pool or the Undesignated Blinebry and Abo pools, and in support thereof will show:

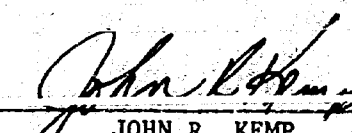
1. Applicant is operator and co-owner of the Britt "B" Lease, which in addition to other lands includes the W/2 and W/2 E/2 of Section 15, T-20S, R-37E, Lea County, New Mexico.
2. Applicant intends to complete in the Weir Drinkard and Undesignated Abo pools or the Undesignated Blinebry and Undesignated Abo pools its Britt "B" Well No. 27, located in Unit "G" of said Section 15 on said lease.
3. That dual completion in the above named pools will recover reserves that would not otherwise be recovered.
4. That no other well is known to have produced simultaneously from these two zones in these reservoirs.
5. That the granting of this application will prevent waste and will not impair the correlative rights of any party.

WHEREFORE, applicant respectfully requests that this application be set for hearing before the Division's duly appointed examiner, and upon hearing, an order be entered authorizing the dual completion of the Britt "B" Well No. 27, as described above.

Respectfully submitted,

CONOCO INC.

By


JOHN R. KEMP
Asst. Division Manager of Production
Hobbs Division

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION

RECEIVED

OCT 15 1980

OIL CONSERVATION DIVISION
SANTA FE

Operator		CONOCO INC.		County	Lea	Date	SANTA FE
Address		P.O. Box 460, Hobbs, New Mexico 88240		Lease	DELT B	Well No.	27
Location	Unit	Section	Township	Range			
Well	G	15	20S	37E			

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X

2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Blinebry		Abo
b. Top and Bottom of Pay Section (Perforations)	5780' (marker)		7046' 7056'
c. Type of production (Oil or Gas)	oil		gas
d. Method of production (Flowing or Artificial Lift)	Artificial Lift		Flowing

4. The following are attached. (Please mark YES or NO)

- _____ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and /or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- _____ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- * _____ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- _____ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

*Conoco Inc. operates all offsets

6. Were all operators listed in item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Assistant Division Mgr. of the Conoco Inc. (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 therein are true, correct and complete to the best of my knowledge.

John L. Kemp
Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in a substantial increase in production, the application will be processed.

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION

RECEIVED
OCT 15 1990
OIL CONSERVATION DIVISION
SANTA FE

Operator	CONOCO INC.		County	Lea	Date
Address	P.O. Box 460, Hobbs, NM 88240		Lease	Drill B	Well No. 27
Location of well	Unit C	Section 15	Township 20S	Range 37E	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X

2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Drinkard		Abo
b. Top and Bottom of Pay Section (Perforations)	6640' (marker)		7046' 7056'
c. Type of production (Oil or Gas)	oil		gas
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Flowing

4. The following are attached. (Please mark YES or NO)

- _____ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and /or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- _____ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- * _____ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- _____ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

*Conoco Inc. operates all offsets

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, give date of such notification _____

CERTIFICATE: I, the undersigned, state that I am the Assistant Division Mgr. of the Conoco Inc. (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 therein are true, correct and complete to the best of my knowledge.

John R. Kemp
Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no further correspondence for hearing is received by the Santa Fe office, the application will then be rejected.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

RECEIVED
OCT 15 1980
Form C-102
Supersedes C-128
Effective 1-1-80

All distances must be from the outer boundaries of the Section

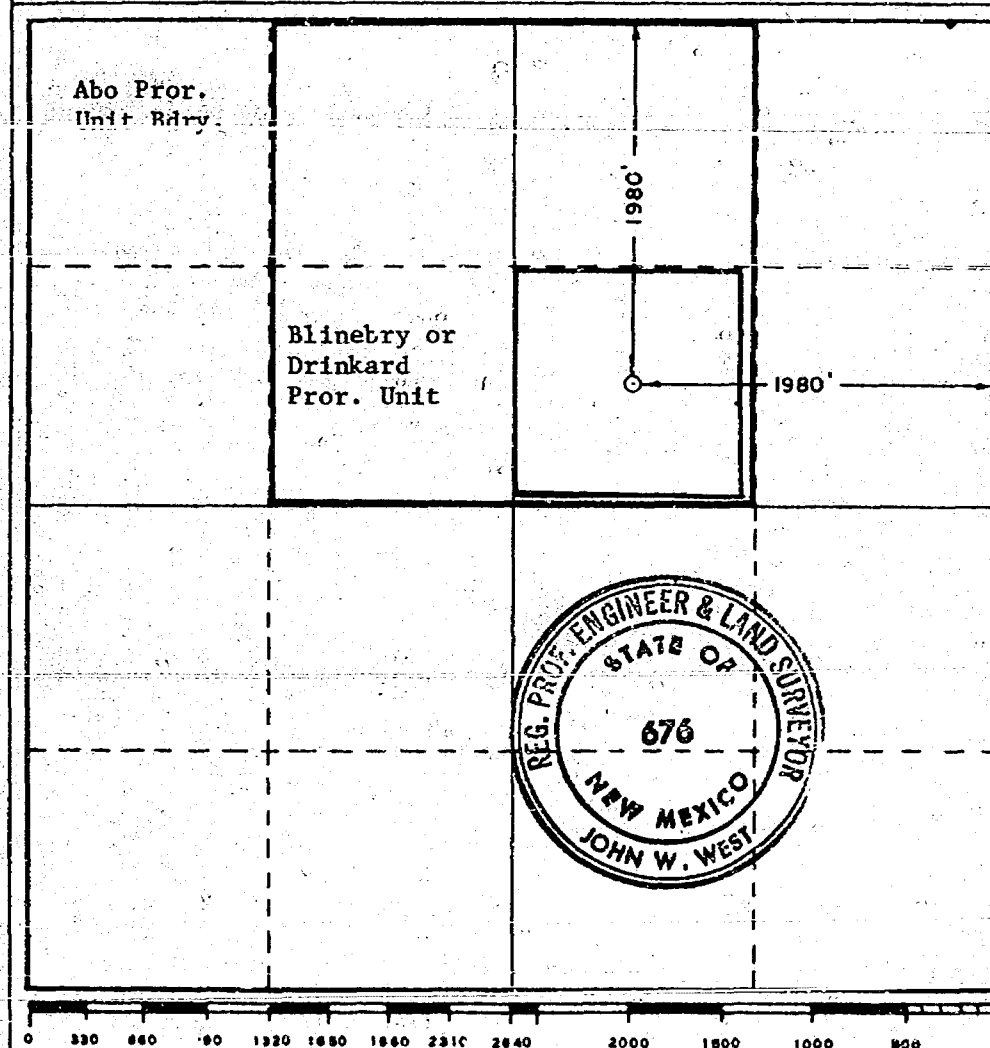
Operator Conoco, Inc.			Lease Britt "B"			Well No. 27	
Unit Letter G	Section 15	Township 20 South	Range 37 East	County Lea			
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the East line							
Ground Level Elev. 3559.1	Producing Formation Abo - Blinebry or Abo - Drinkard		Pool Undesignated Abo and Weir Blinebry or Weir Drinkard			Dedicated Acreage 160 (Abo) 40 (Bl or Dkd) Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

SIGNED: H. A. INGRAM

Name
Hugh A. Ingram
Position
Conservation Coordinator
Company
CONOCO INC.
Date
10-10-80

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.

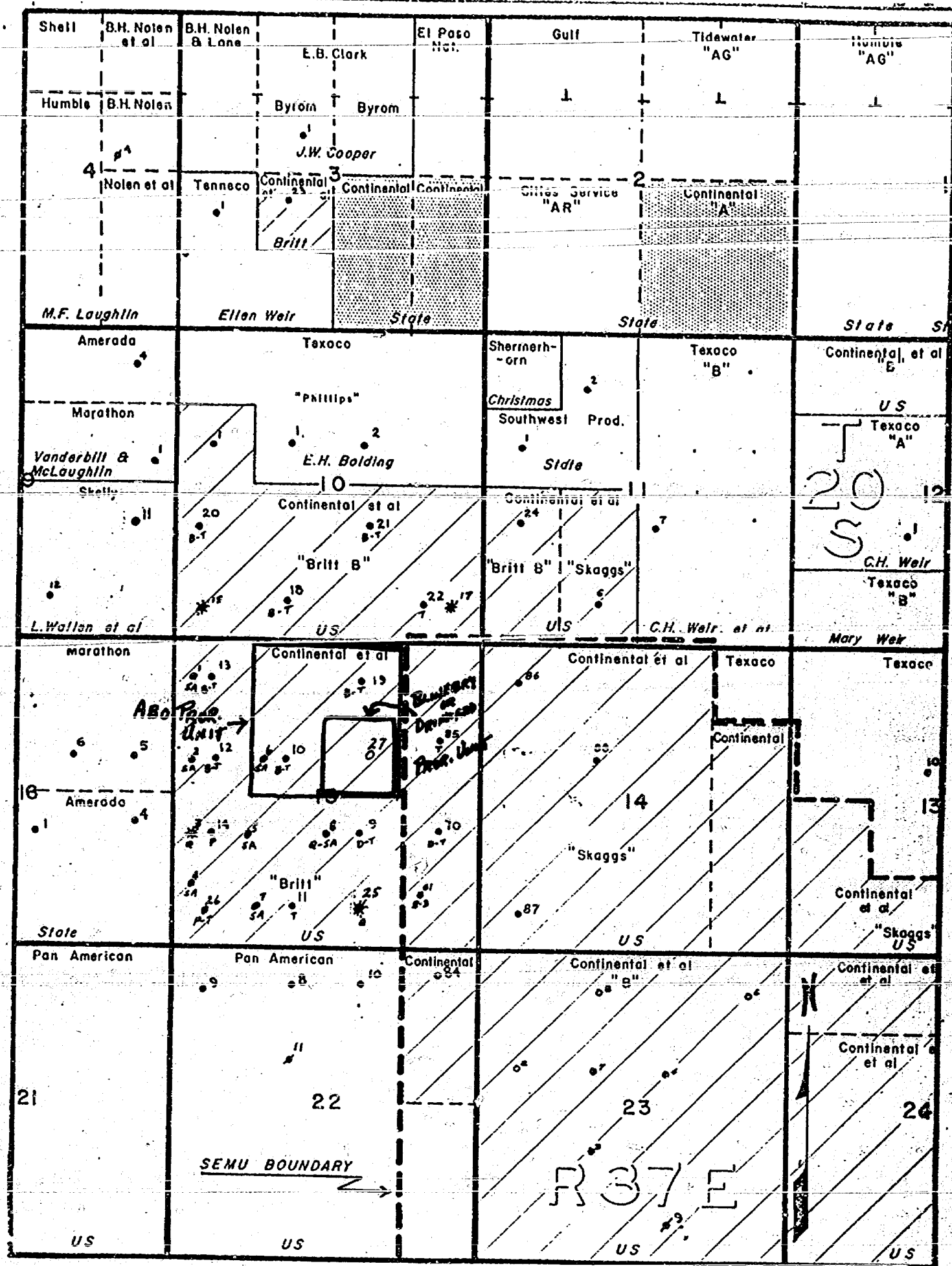
Date Surveyed
Feb. 21, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6888
Ronald J. Eidson 3233

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400 6720 7040 7360 7680 8000 8320 8640 8960 9280 9600 9920 10240 10560 10880 11200 11520 11840 12160 12480 12800 13120 13440 13760 14080 14400 14720 15040 15360 15680 16000 16320 16640 16960 17280 17600 17920 18240 18560 18880 19200 19520 19840 20160 20480 20800 21120 21440 21760 22080 22400 22720 23040 23360 23680 24000 24320 24640 24960 25280 25600 25920 26240 26560 26880 27200 27520 27840 28160 28480 28800 29120 29440 29760 30080 30400 30720 31040 31360 31680 32000 32320 32640 32960 33280 33600 33920 34240 34560 34880 35200 35520 35840 36160 36480 36800 37120 37440 37760 38080 38400 38720 39040 39360 39680 40000 40320 40640 40960 41280 41600 41920 42240 42560 42880 43200 43520 43840 44160 44480 44800 45120 45440 45760 46080 46400 46720 47040 47360 47680 48000 48320 48640 48960 49280 49600 49920 50240 50560 50880 51200 51520 51840 52160 52480 52800 53120 53440 53760 54080 54400 54720 55040 55360 55680 56000 56320 56640 56960 57280 57600 57920 58240 58560 58880 59200 59520 59840 60160 60480 60800 61120 61440 61760 62080 62400 62720 63040 63360 63680 64000 64320 64640 64960 65280 65600 65920 66240 66560 66880 67200 67520 67840 68160 68480 68800 69120 69440 69760 70080 70400 70720 71040 71360 71680 72000 72320 72640 72960 73280 73600 73920 74240 74560 74880 75200 75520 75840 76160 76480 76800 77120 77440 77760 78080 78400 78720 79040 79360 79680 80000 80320 80640 80960 81280 81600 81920 82240 82560 82880 83200 83520 83840 84160 84480 84800 85120 85440 85760 86080 86400 86720 87040 87360 87680 88000 88320 88640 88960 89280 89600 89920 90240 90560 90880 91200 91520 91840 92160 92480 92800 93120 93440 93760 94080 94400 94720 95040 95360 95680 96000 96320 96640 96960 97280 97600 97920 98240 98560 98880 99200 99520 99840 100160 100480 100800 101120 101440 101760 102080 102400 102720 103040 103360 103680 104000 104320 104640 104960 105280 105600 105920 106240 106560 106880 107200 107520 107840 108160 108480 108800 109120 109440 109760 110080 110400 110720 111040 111360 111680 112000 112320 112640 112960 113280 113600 113920 114240 114560 114880 115200 115520 115840 116160 116480 116800 117120 117440 117760 118080 118400 118720 119040 119360 119680 120000 120320 120640 120960 121280 121600 121920 122240 122560 122880 123200 123520 123840 124160 124480 124800 125120 125440 125760 126080 126400 126720 127040 127360 127680 128000 128320 128640 128960 129280 129600 129920 130240 130560 130880 131200 131520 131840 132160 132480 132800 133120 133440 133760 134080 134400 134720 135040 135360 135680 136000 136320 136640 136960 137280 137600 137920 138240 138560 138880 139200 139520 139840 140160 140480 140800 141120 141440 141760 142080 142400 142720 143040 143360 143680 144000 144320 144640 144960 145280 145600 145920 146240 146560 146880 147200 147520 147840 148160 148480 148800 149120 149440 149760 150080 150400 150720 151040 151360 151680 152000 152320 152640 152960 153280 153600 153920 154240 154560 154880 155200 155520 155840 156160 156480 156800 157120 157440 157760 158080 158400 158720 159040 159360 159680 160000 160320 160640 160960 161280 161600 161920 162240 162560 162880 163200 163520 163840 164160 164480 164800 165120 165440 165760 166080 166400 166720 167040 167360 167680 168000 168320 168640 168960 169280 169600 169920 170240 170560 170880 171200 171520 171840 172160 172480 172800 173120 173440 173760 174080 174400 174720 175040 175360 175680 176000 176320 176640 176960 177280 177600 177920 178240 178560 178880 179200 179520 179840 180160 180480 180800 181120 181440 181760 182080 182400 182720 183040 183360 183680 184000 184320 184640 184960 185280 185600 185920 186240 186560 186880 187200 187520 187840 188160 188480 188800 189120 189440 189760 190080 190400 190720 191040 191360 191680 192000 192320 192640 192960 193280 193600 193920 194240 194560 194880 195200 195520 195840 196160 196480 196800 197120 197440 197760 198080 198400 198720 199040 199360 199680 200000



CONTINENTAL OIL COMPANY
 PRODUCTION DEPARTMENT
 HOBBS DISTRICT
 MONUMENT TUBB POOL
 Lea County, New Mexico

SCALE
 0 1000' 2000'

H. A. Ingram



To Dan

Date 10-10-80

Here is a complete application for hearing for our Britt "B" Well No. 27. I left a "draft" with Florene when I was there a few days ago so we could get this one on the same docket with three others.

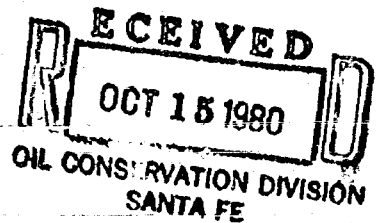
I assume that all four cases will be on the 29th docket.

Thanks,

Hugh

CC:
Tom Kellahin
Vic Lyon

BEFORE THE OIL CONSERVATION DIVISION
ENERGY AND MINERALS DEPARTMENT
OF THE STATE OF NEW MEXICO



IN THE MATTER OF THE APPLICATION OF
CONOCO INC. FOR APPROVAL TO DUALY
COMPLETE ITS BRITT "B" WELL NO. 27
IN THE WEIR DRINKARD AND UNDESIGNATED
ABO POOLS OR THE UNDESIGNATED BLINEBRY
(EAST WEIR) AND UNDESIGNATED ABO POOLS
AT A STANDARD LOCATION 1980' FNL AND
1980' FEL OF SECTION 15, T-20S, R-37E,
LEA COUNTY, NEW MEXICO

A P P L I C A T I O N

Applicant, CONOCO INC., respectfully requests authority to dually complete its Britt "B" Well No. 27, located in Unit "G" of Section 15, T-20S, R-37E, Lea County, New Mexico, in the Weir Drinkard pool and the Undesignated Abo pool or the Undesignated Blinebry and Abo pools, and in support thereof will show:

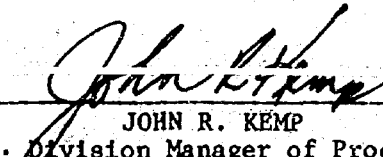
1. Applicant is operator and co-owner of the Britt "B" Lease, which in addition to other lands includes the W/2 and W/2 E/2 of Section 15, T-20S, R-37E, Lea County, New Mexico.
2. Applicant intends to complete in the Weir Drinkard and Undesignated Abo pools or the Undesignated Blinebry and Undesignated Abo pools its Britt "B" Well No. 27, located in Unit "G" of said Section 15 on said lease.
3. That dual completion in the above named pools will recover reserves that would not otherwise be recovered.
4. That no other well is known to have produced simultaneously from these two zones in these reservoirs.
5. That the granting of this application will prevent waste and will not impair the correlative rights of any party.

WHEREFORE, applicant respectfully requests that this application be set for hearing before the Division's duly appointed examiner, and upon hearing, an order be entered authorizing the dual completion of the Britt "B" Well No. 27, as described above.

Respectfully submitted,

CONOCO INC.

By


JOHN R. KEMP
Asst. Division Manager of Production
Hobbs Division

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION

RECEIVED

OCT 15 1980

OIL CONSERVATION DIVISION
SANTA FE

Operator CONOCO INC.		County Lea		Date
Address P.O. Box 460, Hobbs, New Mexico 88240		Lease Britt B		Well No. 27
Location or Well	Unit G	Section 15	Township 20S	Range 37E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X

2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Blinbry		Abo
b. Top and Bottom of Pay Section (Perforations)	5780' (marker)		7046' 7056'
c. Type of production (Oil or Gas)	Oil		Gas
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Flowing

4. The following are attached. (Please mark YES or NO)

- _____ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- _____ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- * _____ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- _____ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

*Conoco Inc. operates all offsets

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Assistant Division Mgr. of the Conoco Inc. (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 therein are true, correct and complete to the best of my knowledge.

John R. Kemp
Signature

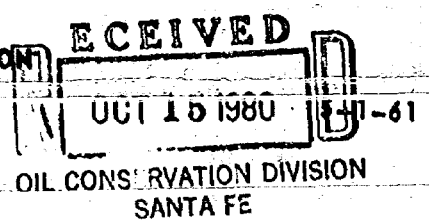
* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unbalanced well, the Commission will require a balanced completion.

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION



Operator	CONOCO INC.	County	Lea	Date	
Address	P.O. Box 460, Hobbs, NM 88240	Lease	Britt B	Well No.	27
Location	State	Section	Township	Range	
or Well	G	15	20S		37E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X

2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Drinkard		Abo
b. Top and Bottom of Pay Section (Perforations)	6640' (marker)		7046' 7056'
c. Type of production (Oil or Gas)	oil		gas
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Flowing

4. The following are attached. (Please mark YES or NO)

- _____ a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and slide door chokes, and such other information as may be pertinent.
- _____ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- _____ c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application. *
- _____ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

*Conoco Inc. operates all offsets

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Assistant Division Mgr. of the Conoco Inc. (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 therein are true, correct and complete to the best of my knowledge.

John R. Kemp
Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no request for hearing is received by the Santa Fe office, the application will then be processed.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

OCT 15 1980

Form C-102
Replaces C-128
Effective 1-1-85

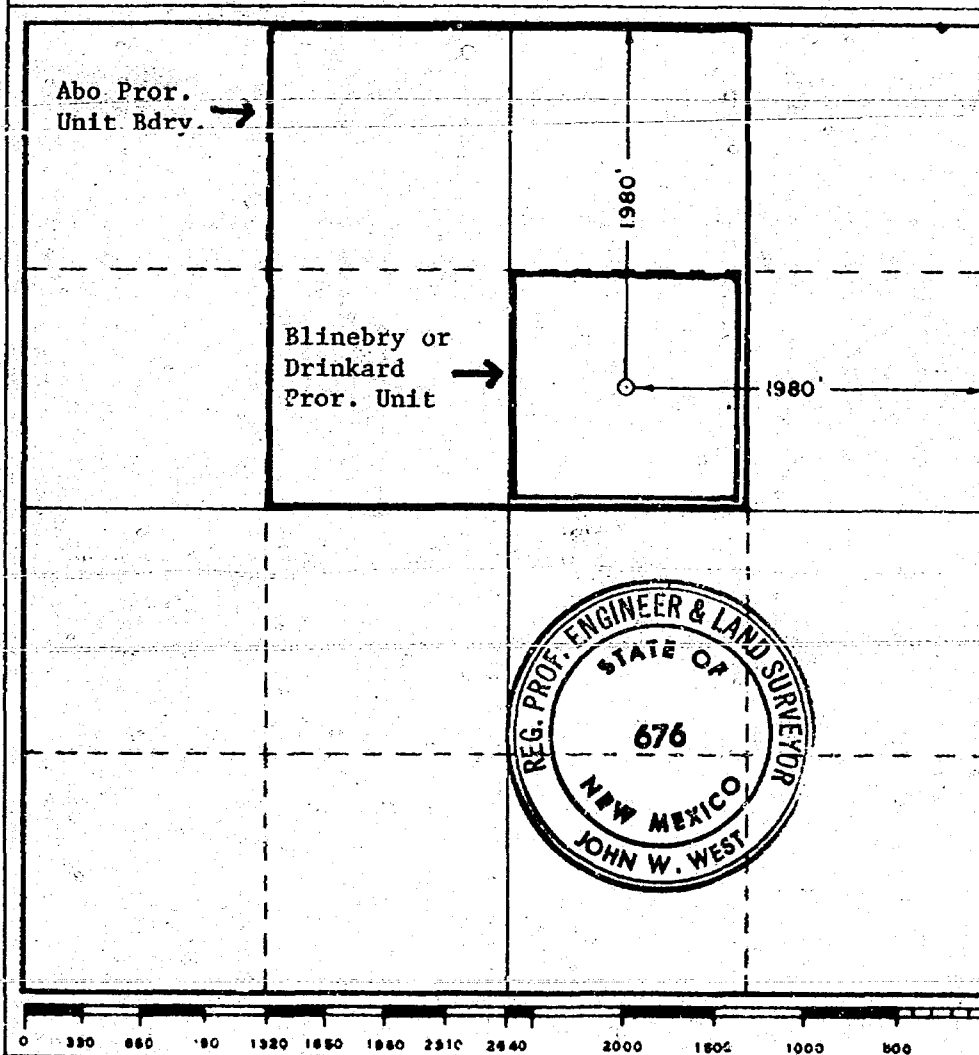
Operator Conoco, Inc.			Lease Britt "B"			OIL CONSERVATION DIVISION SANTA FE 27		
Unit Letter G	Section 15	Township 20 South	Range 37 East	County Lea				
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the East line								
Ground Level Elev. 5559.1	Producing Formation Abo - Blinebry or Abo - Drinkard		Pool Undesignated Abo and Weir Blinebry or Weir Drinkard			Undesignated Acreage: 160 (Abo) 40 (Bl or Dkd) Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Hugh A. Ingram
Name

Hugh A. Ingram
Position
Conservation Coordinator

Company
CONOCO INC.

Date
10-10-80

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 Surveyed
Feb. 21, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **JOHN W. WEST 676**

PATRICK A. ROMERO 6888
Ronald J. Elmore 3255

BEFORE THE OIL CONSERVATION DIVISION
ENERGY AND MINERALS DEPARTMENT
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
CONOCO INC. FOR APPROVAL TO DUALLY
COMPLETE ITS BRITT "B" WELL NO. 27
IN THE WEIR DRINKARD AND UNDESIGNATED
ABO POOLS OR THE UNDESIGNATED BLINEBRY
(EAST WEIR) AND UNDESIGNATED ABO POOLS
AT A STANDARD LOCATION 1980' FNL AND
1980' FEL OF SECTION 15, T-20S, R-37E,
LEA COUNTY, NEW MEXICO

Case 7066

A P P L I C A T I O N

Applicant, CONOCO INC., respectfully requests authority to dually complete its Britt "B" Well No. 27, located in Unit "G" of Section 15, T-20S, R-37E, Lea County, New Mexico, in the Weir Drinkard pool and the Undesignated Abo pool or the Undesignated Blinebry and Abo pools, and in support thereof will show:

1. Applicant is operator and co-owner of the Britt "B" Lease, which in addition to other lands includes the W/2 and W/2 E/2 of Section 15, T-20S, R-37E, Lea County, New Mexico.
2. Applicant intends to complete in the Weir Drinkard and Undesignated Abo pools or the Undesignated Blinebry and Undesignated Abo pools its Britt "B" Well No. 27, located in Unit "G" of said Section 15 on said lease.
3. That dual completion in the above named pools will recover reserves that would not otherwise be recovered.
4. That no other well is known to have produced simultaneously from these two zones in these reservoirs.
5. That the granting of this application will prevent waste and will not impair the correlative rights of any party.

WHEREFORE, applicant respectfully requests that this application be set for hearing before the Division's duly appointed examiner, and upon hearing, an order be entered authorizing the dual completion of the Britt "B" Well No. 27, as described above.

Respectfully submitted,

CONOCO INC.

By _____
L. P. THOMPSON
Division Manager of Production
Hobbs Division

ROUGH

dr/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 7066

Order No. R- 6513

APPLICATION OF CONOCO INC.
FOR A DUAL COMPLETION, LEA
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on
October 29, 19 80, at Santa Fe, New Mexico, before
Examiner Daniel S. Nutter.

NOW, on this _____ day of _____, 19 80, the
Division Director, 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 Division has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Conoco Inc.,
seeks authority to complete its Britt "B" Well No. 27
~~Weir-Drinkard~~ located in Unit G of Section 15, Town-
ship 20 South, Range 37 East, NMPM, Lea
County, New Mexico, as a dual completion (conventional) to
(combination)
(tubingless)

oil
produce gas from the Weir-Drinkard ~~on an undesignated Blinberry~~
pool and ~~an undesignated Abo~~ pool through parallel strings
of tubing with separation of the zones achieved by
means of a packer set at 7026 feet.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Conoco Inc., is hereby authorized to complete its Britt "B" Well No. 27 ~~Well No. xxxxxx~~, located in Unit G of Section 15, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) ~~(combination)~~ ~~(subingless)~~

oil to produce gas from the Weir-Drinkard ~~or an undesignated~~ gas from ~~Blindery pool~~ and an undesignated ~~Abol~~ pool through parallel strings of tubing.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual gas well shut-in Test Period for the gas well.

(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 the day and year hereinabove designated.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 7066
Order No. R-6513

APPLICATION OF CONOCO INC. FOR A
DUAL COMPLETION, LEA COUNTY, NEW
MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 29, 1980, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 6th day of November, 1980, the Division Director, 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 Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Conoco Inc., seeks authority to complete its Britt "B" Well No. 27, located in Unit G of Section 15, Township 20 South, Range 37 East, NMPH, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Weir-Drinkard Pool and gas from an undesignated Abo gas pool through parallel strings of tubing with separation of the zones achieved by means of a packer set at 7026 feet.
- (3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
- (4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

- (1) That the applicant, Conoco Inc., is hereby authorized

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Case No. 7066
Order No. R-6513

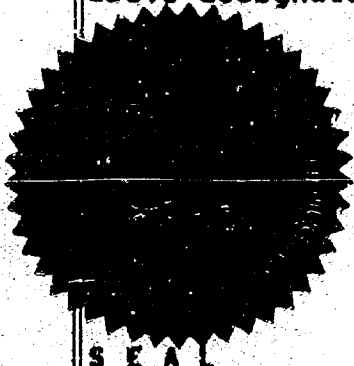
to complete its Britt "B" Well No. 27, located in Unit G of Section 15, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Weir-Drinkard Pool and gas from an undesignated Abo gas pool through parallel strings of tubing.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual Gas Well Shut-In Pressure Test Period for the Abo gas pool.

(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 the day and year hereinabove designated.



SEAL

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Joe D. Ramey
JOE D. RAMEY
Director

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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION