

CASE NO. 5340 Appli. ATLANTIC
RICHFIELD COMPANY, dual comple-
tion, Eddy County

CASE No.

5340

Application,

Transcripts,

Small Exhibits

ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
October 16, 1974

EXAMINER HEARING

IN THE MATTER OF:)
)
)

Application of Atlantic Richfield)
Company for a dual completion,)
Eddy County, New Mexico.)
)
)

CASE 5340

BEFORE: Richard L. Stamets, Examiner.

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil William Carr, Esq.
Conservation Commission: Legal Counsel for the Commission
State Land Office Building
Santa Fe, New Mexico

For Atlantic Richfield: Clarence Hinkle, Esq.
HINKLE, BONDURAN, COX & EATON
Hinkle Building
Roswell, New Mexico

I N D E X

LARRY KNIGHT

	<u>Page</u>
Direct Examination by Mr. Hinkle	3
Cross Examination by Mr. Stamets	8

E X H I B I T S

	<u>Page</u>
Exhibits 1 through 3	8

MR. STAMETS: We will call the next Case, 5340.

MR. CARR: Application of Atlantic Richfield Company for a dual completion, Eddy County, New Mexico.

MR. HINKLE: Clarence Hinkle, Hinkle, Bondurant, Cox and Eaton appearing on behalf of Atlantic Richfield. We have one witness, Larry Knight, I would like to have him sworn.

MR. STAMETS: Are there any other appearances in this Case?

(Whereupon, the witness was duly sworn.)

MR. HINKLE: Here are the officially marked copies, and we have three exhibits.

MR. STAMETS: Is this a complete set?

MR. HINKLE: Yes.

LARRY KNIGHT

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

DIRECT EXAMINATION

BY MR. HINKLE:

Q State your name, residence and by whom you are employed?

A My name is Larry Knight, I live in Midland, Texas, and I am employed by Atlantic Richfield Oil Company.

Q What is your position with Atlantic Richfield?

A I'm an engineer.

Q Petroleum engineer?

A Yes.

Q Have you previously testified before the Commission?

A I have not.

Q State briefly your educational background and experience as a petroleum engineer.

A I received a B.S. degree in petroleum engineering from the University of Southern California in 1959, and for the past 15 years I have been employed by Atlantic Richfield at various engineering responsibilities in drilling and production operations. For the last year I have been assigned to operations in the Permian Basin in New Mexico.

Q Have you made a study of the area where this subject well is located?

A Yes, I have.

MR. HINKLE: Are the qualifications of the witness acceptable?

MR. STAMETS: They are.

BY MR. HINKLE:

Q Are you familiar with the application of Atlantic Richfield in this Case?

KNIGHT-DIRECT

CASE 5340

Page 5

A I am.

Q What is Atlantic Richfield seeking to accomplish?

A Atlantic Richfield is requesting approval for --
to dually complete the State BR Well No. 1 located in Section
16, Township 21 South, Range 26 East in Eddy County, New
Mexico. We want to want to produce an undesignated Atoka
zone up the tubing and a Morrow up the casing-tubing annulus
by means of a cross-over assembly.

Q Have you prepared, or has there been prepared
under your direction, three exhibits for introduction in
this case?

A Yes, I have three exhibits.

Q Are they the ones that have been marked 1, 2 and
3?

A Yes.

Q Refer to Exhibit 1 and explain what this is and
what it shows.

A Exhibit 1 is a map showing the location of the
proposed dual completion in Section 16; and the circles on
this map, colored, are wells that have been drilled to the
Morrow zone, and down in the lower left-hand corner here is
a color code showing where these wells are productive at
this time. There are several wells here that have two

colors on them. This would indicate two zones are productive in them. The green and brown coloring in Section 16 indicates our State BR will be productive in the Atoka and the Morrow zones. Also on this map it shows the operating companies of the offsetting operators by each well.

Q State briefly the history of the proposed dual-completion well, as shown on Exhibit 1.

A The State BR was spudded in July, 1974, and was drilled through the Morrow zone, thence five-and-a-half-inch casing was cemented to TD. The well was then perforated in the lower Morrow which produced excessive amounts of water, and we squeezed off those perfs in the bottom zone with cement and then perforated three additional intervals within the Morrow zone. After acidizing, these three zones produced at a total rate of 1.5 million a day. We then isolated the Morrow zone.

Q That's each zone produced at that rate?

A No, this was the total from all three zones together. We then isolated the Morrow perforation and perforated the Atoka zone, and after acidizing it, it produced 1.8 million a day. The well is now shut in with a dual completion setup in the hole.

Q Refer to Exhibit No. 2 and explain what this shows.

A Exhibit No. 2 shows the depth of the three casing strings that have been cemented in the hole. It shows the depth of the 22 centralizers that are in place; it shows the top of the cement, which was determined by a temperature survey; it shows the perforated intervals, both the Atoka and the Morrow. We will have one string of tubing in the hole, and two packers. Because the Atoka zone produces liquid condensate we would like to produce it up the tubing, and it is shown here by the gold color. The Morrow zone is shown here in purple, the flow of the Morrow. It will come up the tubing until it gets above the upper packer and then cross over and be produced through the tubing-casing annulus.

Q Now, refer to Exhibit 3 and explain that one.

A Exhibit 3 is a more detailed schematic of the packer setup and crossover assembly. Again, the gold represents the flow of the Atoka, and the purple represents the flow of the Morrow.

Q By completing the well in the manner to which you have testified will this prevent each zone from being produced separately and separately measured and prevent commingling of the Atoka and the Morrow?

A Yes, sir, it will.

MR. HINKLE: We would like to offer Exhibits 1

through 3.

MR. STAMETS: Exhibits 1 through 3 will be admitted into evidence.

(Whereupon, Exhibits 1 through 3 were admitted into evidence.)

MR. HINKLE: That's all of the direct.

CROSS EXAMINATION

BY MR. STAMETS:

Q Mr. Knight, do either of the two zones in question produce any liquids?

A The Atoka produces liquids, condensate.

Q What's the volume on that, do you recall?

A As yet we don't have a test of the volume or the rate on the liquids.

Q The Morrow is totally dry?

A That is correct. We plan to have some tests on it in a few days, on the calculated open flow and rates.

Q How long was the Morrow tested, do you recall?

A I think it was flowed for somewhere around 24 hours.

Q MR. STAMETS: Are there any other questions of the witness? You may be excused.

Is there anything further in this Case?

CASE 5340

Page.....9

MR. HINKLE: No, that's all, thank you.

MR. STAMETS: We will take the case under advise-
ment.

I, SIDNEY F. MORRISH, Court Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Sidney F. Morrish
SIDNEY F. MORRISH, Court Reporter

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 5340, heard by me on 10-16 1977.

Richard K. Ham, Examiner
New Mexico Oil Conservation Commission



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501

I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMUJO
MEMBER

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

October 30, 1974

Mr. Clarence Hinkle
Hinkle, Bondurant, Cox & Eaton
Attorneys at Law
Post Office Box 10
Roswell, New Mexico 88201

Re: CASE NO. 5340
ORDER NO. R-4893
Applicant:
Atlantic Richfield Company

Dear Sir:

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

Very truly yours,

K. L. Porter, Jr.

A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC	<u>x</u>
Artesia OCC	<u>x</u>
Aztec OCC	

Other _____

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 5340
Order No. R-4893

APPLICATION OF ATLANTIC RICHFIELD
COMPANY FOR A DUAL COMPLETION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on October 16, 1974, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 29th day of October, 1974, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Atlantic Richfield Company, seeks authority to complete its State BR Well No. 1, located in Unit K of Section 16, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from an undesignated Atoka gas pool through tubing and gas from an undesignated Morrow gas pool through the casing-tubing annulus by means of a cross-over assembly with separation of the two zones to be accomplished by a packer set at approximately 10,750 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, Atlantic Richfield Company, is hereby authorized to complete its State BR Well No. 1, located in Unit K of Section 16, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from an undesignated Atoka gas pool through 2 3/8-inch tubing and gas from an undesignated Morrow gas pool through

-2-

CASE NO. 5340
Order No. R-4893

2 3/8-inch tubing to approximately 10,050 feet and thence, by means of a cross-over assembly, to the surface through the casing-tubing annulus with separation of the two zones to be accomplished by means of a packer set at approximately 10,750 feet.

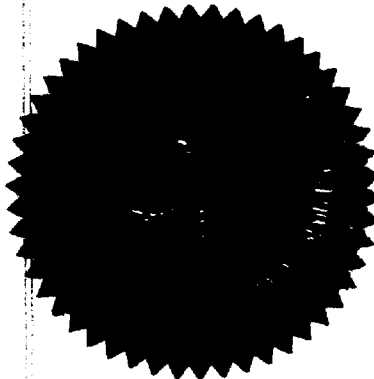
PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

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 Morrow zone.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



I. R. TRUJILLO, Chairman

Alex J. Armijo
ALEX J. ARMILLO, Member

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

S E A L

jr/

Dockets Nos. 30-74 and 31-74 are tentatively set for hearing on October 30 and November 13, 1974. Application for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 16, 1974

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

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas from seventeen prorated pools in Lea, Eddy, Roosevelt, and Chaves Counties, New Mexico, for November, 1974;
- (2) Consideration of the allowable production of gas from five prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico, for November, 1974.

CASE 5304: (Continued from the September 4, 1974, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Mercury Production Company, American Employers' Insurance Company and all other interested parties to appear and show cause why the Mercury State Well No. 1 located in Unit E of Section 27, Township 10 South, Range 26 East, Chaves County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

CASE 5292: (Continued from the September 18, 1974, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit El Paso Natural Gas Company, United States Fidelity and Guaranty Co., and all other interested parties to appear and show cause why each of the following wells should not be plugged and abandoned in accordance with a Commission-approved plugging program:

EPNG Ludwick Well No. 11, located in Unit B, Section 19, Township 30 North, Range 10 West, San Juan County, New Mexico;

EPNG Rincon Unit Well No. 127, located in Unit A, Section 23, Township 27 North, Range 6 West, Rio Arriba County, New Mexico; and

EPNG Warren A Well No. 2, located in Unit A, Section 23, Township 28 North, Range 9 West, San Juan County, New Mexico.

CASE 4976: (Reopened) (Continued from the October 2, 1974, Examiner Hearing)

In the matter of Case No. 4976 being reopened pursuant to the provisions of Order No. R-4638 to permit all operators in the West Parkway-Strawn

(Case 4976 continued from Page 1)

and West Parkway-Atoka Gas Pools in Section 28, Township 19 South, Range 29 East, Eddy County, New Mexico, to appear and present evidence to clearly establish the nature of the reservoirs, proper rates of production for wells therein, and special rules therefor.

CASE 5313: (Continued and Readvertised)

Application of El Paso Natural Gas Company for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Aztec-Pictured Cliffs and Blanco-Mesaverde production in the wellbore of its Ludwick Well No. 11 located in Unit B of Section 19, Township 30 North, Range 10 West, San Juan County, New Mexico.

CASE 5338: Application of Amerada Hess Corporation for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced water into the Devonian formation through the open-hole interval from 10,980 feet to 11,180 feet in its State BTC Well No. 1, located in Unit N of Section 35, Township 11 South, Range 33 East, Bagley Siluro-Devonian Pool, Lea County, New Mexico.

CASE 5339: Application of John L. Cox for salt water disposal, Lea County, New Mexico. Applicant in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation through the open-hole interval from approximately 4989 feet to 5017 feet in his U.S.M. Well No. 2, located in Unit H of Section 27, Township 9 South, Range 37 East, West Sawyer-San Andres Pool, Lea County, New Mexico.

CASE 5340: Application of Atlantic Richfield Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its State BR Well No. 1, located in Unit K of Section 16, Township 21 South, Range 26 East, Eddy County, New Mexico, in such a manner as to produce gas from an undesignated Atoka gas pool through the tubing and gas from an undesignated Morrow gas pool through the casing-tubing annulus by means of a cross-over assembly.

CASE 5341: Application of Texas Oil & Gas Corporation for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Williamson Fed. Well No. 3, located 660 feet from the North line and 1980 feet from the East line of Section 9, Township 20 South, Range 29 East, NMPM, Burton Flats-Morrow Gas Pool, Eddy County, New Mexico, the E/2 of said Section 9 to be dedicated to the well.

CASE 5342: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Leon Davis, Fidelity and Deposit Company of Maryland, and all other interested parties to appear and show cause why the New Mexico State "Heart" Well No. 1, located in Unit J of Section 16, Township 14 North, Range 32 East, NMPM, Harding County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

CASE 5343: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Paul Haskins, Trustee and Continental Casualty Company, and all other interested parties to appear and show cause why the Arthur Cain Well No. 1, located in Unit N of Section 4, Township 15 North, Range 33 East, Harding County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

CASE 5344: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit American Fuels Corporation and Aetna Casualty and Surety Company, and all other interested parties, to appear and show cause why the following American Fuels Wells on the W-S Ranch in Colfax County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program:

NM-B Well No. 1, located in Unit G of Section 6, Township 30 North, Range 19 East;

NM-B Well No. 2, located in Unit P of Section 16, Township 30 North, Range 18 East;

NM-B Well No. 4, located in Unit H of Section 18, Township 30 North, Range 18 East;

NM-B Well No. 5, located in Unit P of Section 30, Township 30 North, Range 19 East; and

NM-B Well No. 10, located in Unit N of Section 24, Township 31 North, Range 19 East.

CASE 5345: Application of Texaco, Inc. for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of production from the Fusselman, Montoya, and Ellenburger formations, North Justis Field, in the wellbore of its G. L. Erwin "B" Fed. (NCT-2) Well No. 5, located in Unit P of Section 35, Township 24 South, Range 37 East, Lea County, New Mexico.

CASE 5346: Application of Continental Oil Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of production from the Blinbry formation and the East Warren-Drinkard Pool in the wellbore of its Warren Unit Well No. 11, located in Unit A of Section 35, Township 20 South, Range 38 East, Lea County, New Mexico.

CASE 5347: Application of Continental Oil Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of production from the West Warren-Blinbry and East Skaggs-Drinkard Pools in the wellbore of its SEMU Berger Well No. 21, located in Unit O of Section 19, Township 20 South, Range 38 East, Lea County, New Mexico.

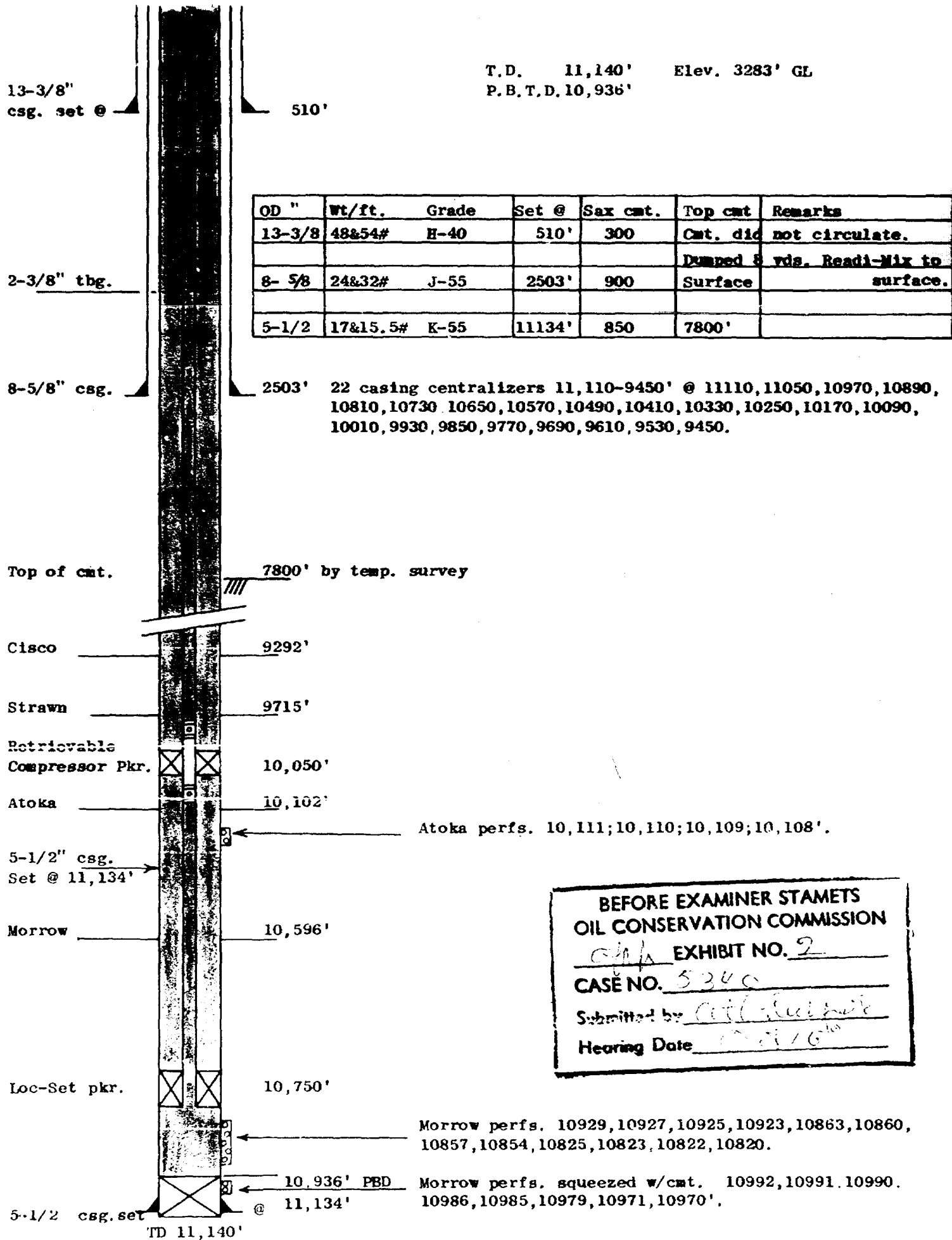
Examiner Hearing - Wednesday - October 16, 1974

Docket No. 29-74

-4-

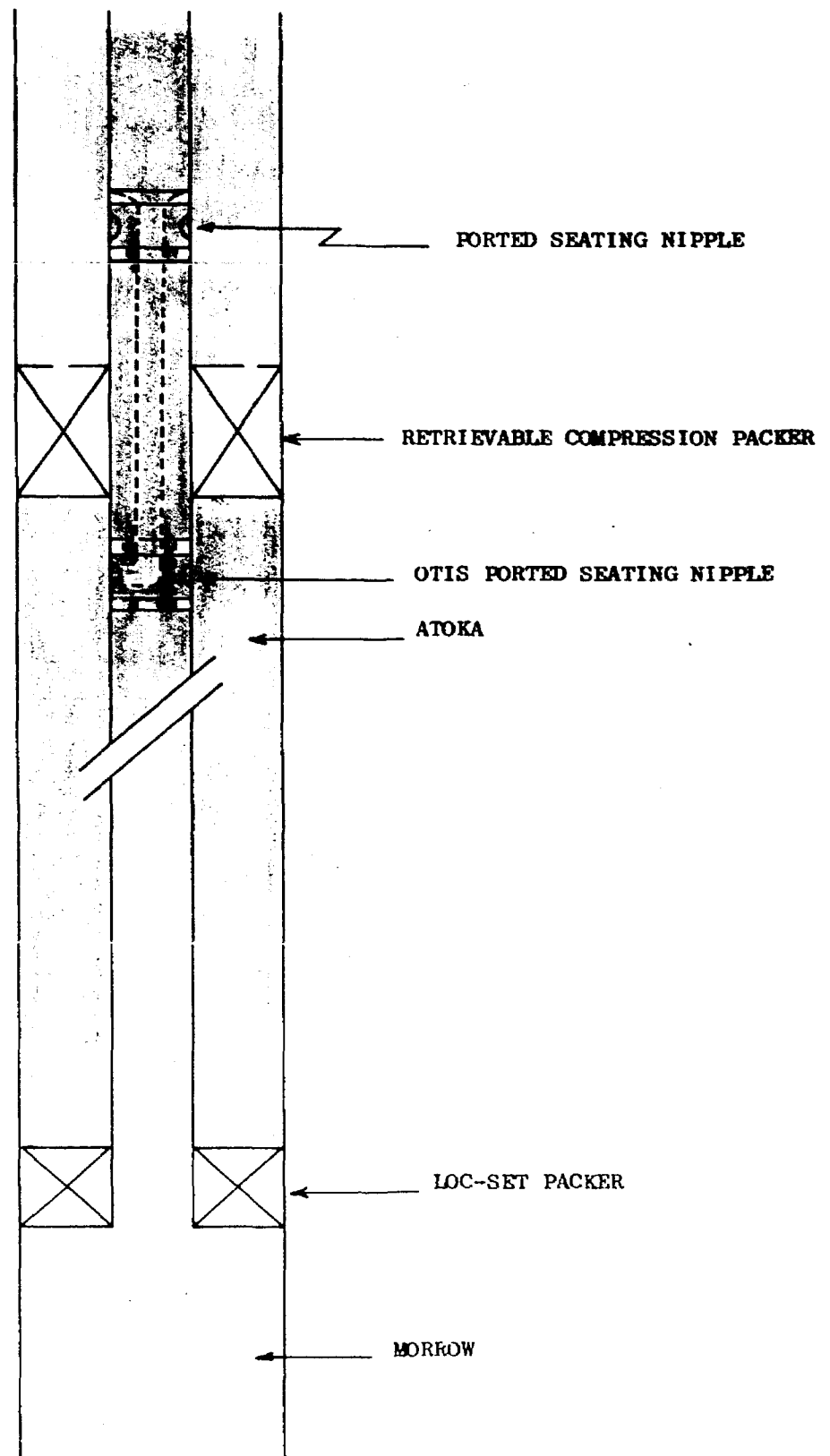
CASE 548: Application of Continental Oil Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of production from the Blinebry and Drinkard Pools in the wellbores of its Elliott B Well No. 6, located in Unit J of Section 6, Township 22 South, Range 37 East, and its Lockhart B-1 Well No. 9, located in Unit I of Section 1, Township 22 South, Range 36 East, both in Lea County, New Mexico.

STATE "BR" No. 1
1980' FSL & 1980' FWL OF SEC. 16, T-21-S, R-26-E
EDDY COUNTY, NEW MEXICO
ATOKA & MORROW DUAL



STATE "BR" No. 1
1980' FSL & 1980' FWL OF SEC. 16, T-21-S, R-26-E
EDDY COUNTY, NEW MEXICO
ATOKA & MORROW DUAL

SCHEMATIC DETAIL OF CROSSOVER ASSEMBLY



BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 3240
Submitted by ALL
Hearing Date 10/16/80

5340

Form C-107
5-1-61

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Operator Atlantic Richfield Company		County Eddy	Date September 18, 1974
Address P. O. Box 1710, Hobbs, New Mexico 88240		Lease State BR	Well No. Santa Fe 1
Location of Well K	Unit 16	Township 21S	Range 26E

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	Wildcat Atoka Gas		Undesignated Morrow Gas
b. Top and Bottom of Pay Section (Perforations)	10,108'-10,111'		10,820'-10,992'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.*
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.

Hanagan Petroleum Corporation, P. O. Box 1737, Roswell, New Mexico 88201

Inexco Oil Company, 1100 Milam Bldg, Suite 1900, Houston, Texas 77002

Gulf Oil Company-U.S., P. O. Box 670, Hobbs, New Mexico 88240

Coquina Oil Corporation, 200 Building of the Southwest, Midland, Texas 79701

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

CERTIFICATE: I, the undersigned, state that I am the Dist. Drlg. Supv. of the Atlantic Richfield Company (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.


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.

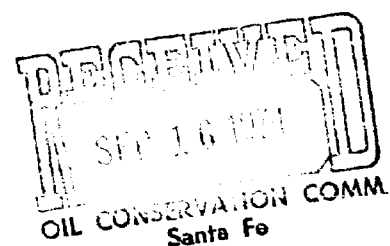
NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Atlantic Richfield Company

North American Producing Division
Permian District - West Area
Post Office Box 1710
Hobbs, New Mexico 88240
Telephone 505 393-7163

George V. Ricks, Superintendent
Production & Drilling

Case 5340



September 13, 1974

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

Attn: Mr. A. L. Porter, Jr., Secretary Director

Re: Application to Dual Complete
State BR No. 1
Unit Letter K, Section 16, 21S, 26E, Eddy County,
Wildcat Atoka and Undesignated Morrow Gas Pools

Dear Sir:

Atlantic Richfield Company respectfully requests Administrative approval to dual complete its State BR well no. 1 as a Wildcat Atoka and Undesignated Morrow Gas, gas-gas dual. The well is located in Unit Letter K, Section 16, T21S, R26E, Eddy County, New Mexico.

If dual completion of the well cannot be approved Administratively, then respectfully requests application be placed on docket for Examiner's hearing.

Enclosed you will find the appropriate Commission application form, diagrammatic sketch of the proposed dual completion, logs and plat of the area as required.

Yours truly,

H. J. Bernard

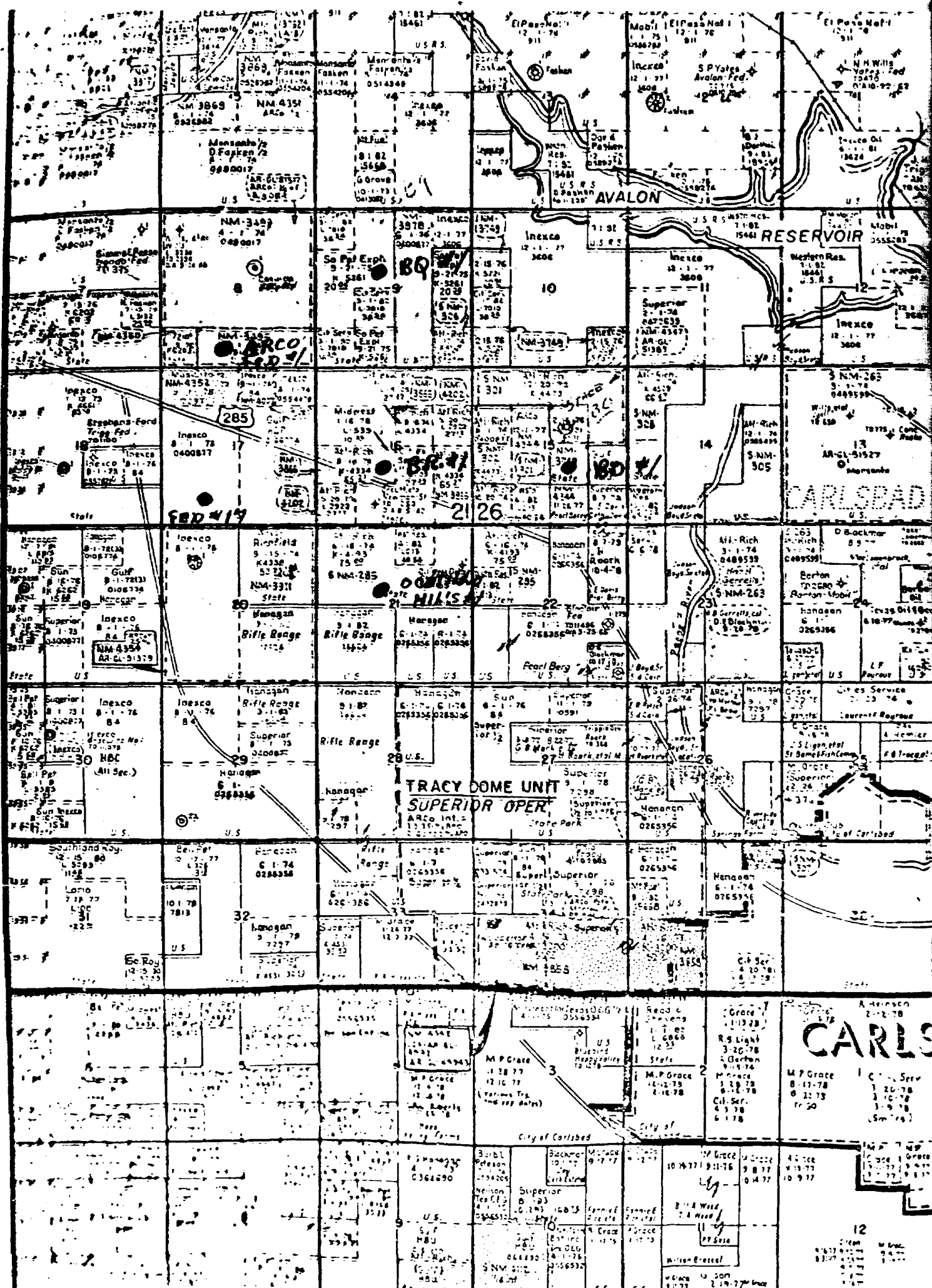
H. J. Bernard
District Drilling Supervisor

HJB:kw
Attachments

cc: OCC - Artesia
Offset Operators w/o attach.

*cc: OCC - Artesia
Offset Operators w/o attach.*

DOCKET NUMBER
10-74
Date



13-5/8" csg. set @

2-3/8" tbg

8-5/8" csg.

Top of cmt.

Cisco

Strawn

Permanent pkr.

Atoka

5-1/2" csg. set @

Morrow

Lok-Set pkr.

TD

510'

2503'

7800'

9292'

9715'

10,050'

10,102'

11134'

10,596

10,750'

11134'

OPERATOR: Atlantic Richfield Company

FORMER OPERATOR:

LEASE: State BR

Tract No. Well No. 1

LOCATION: Sec 16-21-26

COUNTY: Eddy

STATE: N. Mex.

K.B. Elev.

D.F. Elev.

G.L. Elev. 3285.4

T.D. 11134 DDTD.

PBD

Bc plug

Pkr. set

Open Hole Elec. Measurement Taken From Date Comp.

OD "s	Wt/ft, SS, & Grade	Set at	Max Cmt.	Top Cmt.	Remarks
13-5/8"	48, 54#, H-40	510	300	Cmt. did not circ. due to 8 yds Readix to surface	
8-5/8"	24, 32#, J-55	2503	900	surface	
5-1/2"	17, 15, 5#, K-55	11134	850	7800'	

Completion Summary: 22 cent. 11110-9450: 11110, 11050, 10970, 890, 810, 730, 650, 570, 490, 410, 330, 250, 170, 090, 10010, 9930, 9850, 9770, 9690, 9610, 9530, 9450.

Workover History:

Atoka perfs.-10,111, 110, 109, 108

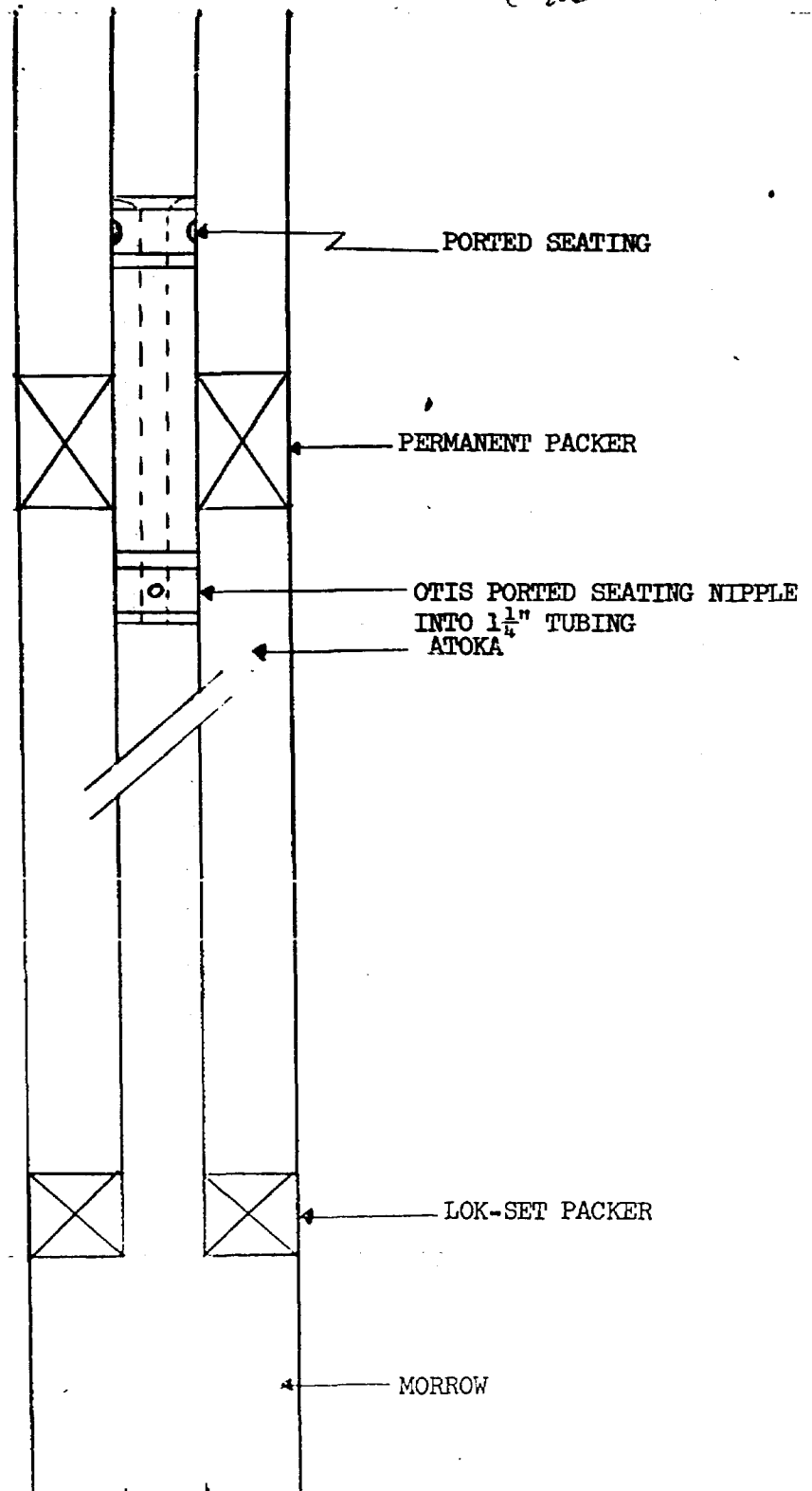
Morrow perfs.- 10,992, 991, 990, 986, 985, 979, 971, 970

(8 holes in 22'). After test of lower zone. Upper perfs.- 10929, 928, 926, 925, 924, 923, 863, 861, 860, 858, 825, 824, 823, 822, 821, 820

ATLANTIC RICHFIELD COMPANY

STATE BR #1

Case 5340



DRAFT

jr/

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 5340

Order No. R- 4893

APPLICATION OF ATLANTIC RICHFIELD COMPANY
FOR A DUAL COMPLETION, EDDY COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on October 16, 1974
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this day of October, 1974, the Commission,
a quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

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

(2) That the applicant, Atlantic Richfield Company, seeks
authority to complete its State BR Well No. 1, located in Unit K
of Section 16, Township 21 South, Range 26 East, NMPM, Eddy County,
New Mexico, as a dual completion (conventional) to produce gas
from an undesignated ~~Atoka~~ gas pool through ~~the~~ tubing and gas
from an undesignated Morrow gas pool through ~~the~~ casing-tubing
annulus by means of a cross-over assembly with separation of
the two zones to be accomplished by a packer set at approximately
10,750 feet.

1 -2-
2 CASE NO. 5340
3 Order No. R-

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

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

8 IT IS THEREFORE ORDERED:

9 (1) That the applicant, Atlantic Richfield Company, is hereby
10 authorized to complete its State RR Well No. 1, located in Unit K
11 of Section 16, Township 21 South, Range 26 East, NMPM, Eddy County,
12 New Mexico, as a dual completion (conventional) to produce gas
13 from an undesignated Atoka gas pool through 2 3/8-inch tubing and
14 gas from an undesignated Morrow gas pool through 2 3/8-tubing to
15 approximately 10,050 feet and thence, *by* means of a cross-over
16 assembly, to the surface through the casing-tubing annulus with
17 separation of the two zones to be accomplished by means of a
18 packer set at approximately 10,750 feet.

19 PROVIDED HOWEVER, that the applicant shall complete, operate,
20 and produce said well in accordance with the provisions of Rule
21 112-A of the Commission Rules and Regulations insofar as said
22 rule is not inconsistent with this order;

23 PROVIDED FURTHER, that the applicant shall take packer-leakage
24 tests upon completion and annually thereafter during the Annual
25 Gas Well Shut-In Pressure Test Period for *the Morrow zone.*
~~Southeast New Mexico.~~

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

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