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Application
Transcripts

Small Exhibits

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT Oil Conservation Division State Land Office Building Santa Fe, New Mexico 13 June 1979

EXAMINER HEARING

IN THE MATTER OF: Application of Continental Oil

Company for a dual completion, Lea County, New Mexico.

CASE 6569

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Ernest L. Padilla, Esq. Division: Legal Counsel for the Division State Land Office Bldg. Santa Fe, New Mexico 87503

For the Applicant: W. Thomas Kellahin, Esq. KELLAHIN & KELLAHIN

500 Don Gaspar Santa Fe, New Mexico 87501

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I N D E X

JERRY HOOVER

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Direct Examination by Mr. Kellahin

Cross Examination by Mr. Nutter

EXHIBITS

Applicant Exhibit One, Application 4

Applicant Exhibit Two, Plat 4

Applicant Exhibit Three, Diagram 5

Applicant Exhibit Four, Diagram 5

Applicant Exhibit Five, Log 6

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MR. NUTTER: The hearing will come to order.

The first case this afternoon will be Case Number 6569.

Oil Company 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.

MR. PADILLA: Application of Continental

(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. I'm employed by Continental Oil Company as an engineer.

Q. Mr. Hoover, have you previously testified before the Oil Conservation Division?

A. Yes, I have.

Õ.	And	have	you	studied	the	facts	surrounding
this case?							

A. I have.

 $$\operatorname{MR.}$$ KELLAHIN: We tender Mr. Hoover as an expert witness.

MR. NUTTER: Mr. Hoover is qualified.

Q. (Mr. Kellahin continuing.) Would you refer to Exhibit Number One, Mr. Hoover, and explain what Continental Oil is seeking to accomplish?

A. Yes. Our Lockhart A-17 No. 2 is presently producing from the Eumont Gas zone at an average rate of 2300 Mcf per month.

The purpose for this hearing is to obtain the Division's approval to dual complete this well with the Blinebry Oil and Gas Pool.

Q Would you refer to Exhibit No. 1 and identify that?

 \hbar . Yes. Exhibit One is the Application for Multiple Completion.

Q Okay, and Exhibit Number Two?

A. Exhibit Number Two is a plat showing the location of this well and all the wells within a one mile radius. We have, to the best of our knowledge, indicated the producing zones of each one of these wells, with the small letters "si" underneath the pool designation referring

to wells that are shut in at this time.

Q. Would you refer to Exhibit Number Three and identify that?

A. Yes. Exhibit Three is the present well-bore diagram, showing that the only perforations open to production at this time are the Eumont-Yates-Seven Rivers-Queen perfs.

Q. What's the total depth of this well?

A. The total depth of this well is -- it was previously drilled to 6630.

Q. And when was that originally drilled?

A. It was originally drilled in 1947. It was a Drinkard completion.

In April of 1959 it was dually completed with the Eumont Gas zone. The Drinkard zone, which produced 129,000 barrels of oil, was temporarily abandoned in May of 1973, due to depletion, leaving a single completion in the Eumont zone.

The tract on which this well is located is offset by Blinebry production, so we plan to recomplete in the Blinebry and dually produce from the Blinebry oil and the Eumont gas pools.

Q. Let's look at Exhibit Number Four and have you describe that.

A. Exhibit Four is the proposed wellbore

diagram showing how we intend to separate the zones open to the wellbore, producing the Eumont Gas zone through the casing annulus and the Blinebry through tubing.

Q. Okay, and Exhibit Number Five.

A. Exhibit Five is a section of the well log for the Blinebry section.

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

A. Yes, it will.

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

A. Yes.

 $$\operatorname{MR}$$ KELLAHIN: Move the introduction of Exhibits One through Five.

MR. NUTTER: Applicant's Exhibits One through Five will be admitted in evidence.

CROSS EXAMINATION

BY MR. NUTTER:

Q. Mr. Hoover, you mentioned that the Eumont presently produces 2300 Mcf per month. What about liquids in the Eumont?

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producing any mea	asurable	amoun	ts of 1	liquids.	Now	there
are we do have	e some we	ells th	hat do	produce	some	liquids
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Q. The flow through the annulus won't be any problem, coming out the annulus here?

A. We don't think so in this particular location.

Q Because you don't make liquids.

A. Not in this well.

MR. NUTTER: Are there any other questions of the witness? He may be excused.

Do you have anything further, Mr. Kellahin?

MR. KELLAHIN: No, sir.

MR. NUTTER: Does anyone have anything they wish to offer in Case Number 6569?

We'll take the case under advisement.

(Hearing concluded.)

REPORTER'S CERTIFICATE

I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oil Conservation Division was reported by me; that said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability, knowledge, and skill, from my notes taken at the time of the hearing.

I do have a series that the foregoing is Luca, Examines, Oil Conservation Division

STATE OF NEW HEXTOO
ENERGY AND MINERALS DEPARTMENT
Oil Conscionation Division
State Land Office Building
Santa Fe, New Mexico
13 June 1979

EXAMINER HEARING

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IN THE MATTER OF:

Application of Continental Oil Company for a dual completion, Lea County, New Mexico.

CASE 6569

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Division:

Ernest L. Padilla, Esq. Legal Counsel for the Division State Land Office Bldg. Santa Fe, New Mexico 87503

For the Applicant:

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

SALLY WALTON
CERTFIED SHORTHAND R
3020 Plaza Blanca (808)
Santa Fo, New Mexico

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JERRY HOOVER

Direct Examination by Mr. Kellahin

Cross Examination by Mr. Nutter

I N D E X

EXHIBITS

Applicant Exhibit One, Application

Applicant Exhibit Two, Plat

Applicant Exhibit Three, Diagram

Applicant Exhibit Four, Diagram

MR. Murrows: The hearing will come to

The first case this afternoon will be Case Number 6569.

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New Mexico, appearing on behalf of the applicant, and I
have one witness.

(Witness sworn.)

JERRY HOOVER

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DIRECT EXAMINATION

BY MR. KELLAHIN:

order.

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A. Yes, it will.

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A. Yes.

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SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 PRAR Blanca (605) 471-2462
Santa Fe, New Mexico 87501

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	۸.	I'm rol owere of this particular well
nroëu	cing any (meastrable execute of liquids. Now there
		ave some wells that do produce some Hautds.
	Ç.	The flow through the annulus won't be
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	ř.	We don't think so in this particular
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Ue'll take the case under advisement.

(Hearing concluded.)

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 $\frac{\nabla u}{\partial x^2} = \frac{1}{2} \sum_{i=1}^{n} \frac{1}{2} \frac{u}{\partial x^2} + \frac{1}{2$

1, SAMAY WALLOW BOYD, a Court Resorter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Sil Conservation Division was reported by me; that said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability, knowledge, and skill, from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R.

I do heropy compathal the foregoing is a complete its troof the proceedings in the Examiner hearing of Case No. 1979.

heard by me on Oil Conservation Division

OIL CONSERVATION COMMISSION HOBBS DISTRICT

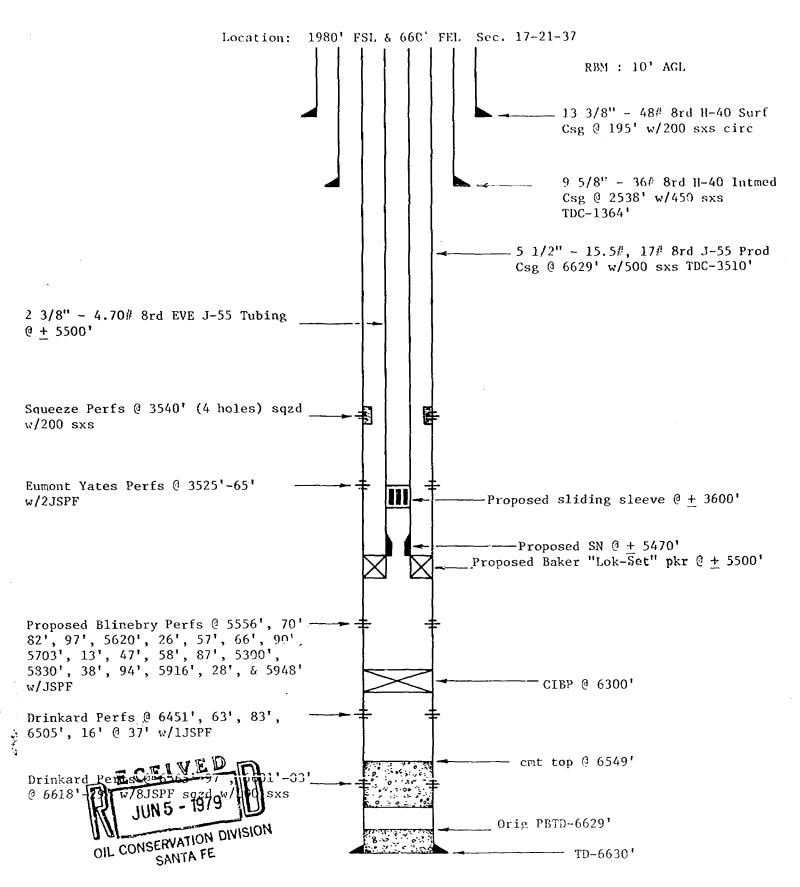
Carre lengt

OIL CONSERVATION COMMISSION BOX 2088	DATE MAY 29, 1979
SANTA FE, NEW MEXICO	RE: Proposed MC X Proposed DHC Proposed NSL Proposed SWD Proposed WFX Proposed PMX
Gentlemen:	•
I have examined the application dated	May 22, 1979
for the Continental Oil Co. Lockhart A-17 #2 Operator Lease and We	I-17-21-37
and my recommendations are as follows:	
OKJerry Sexton	
	Yours very truly,
JUN5 - 1979 OIL CONSERVATION DIVISION SANTA FE	Jerry Sexton

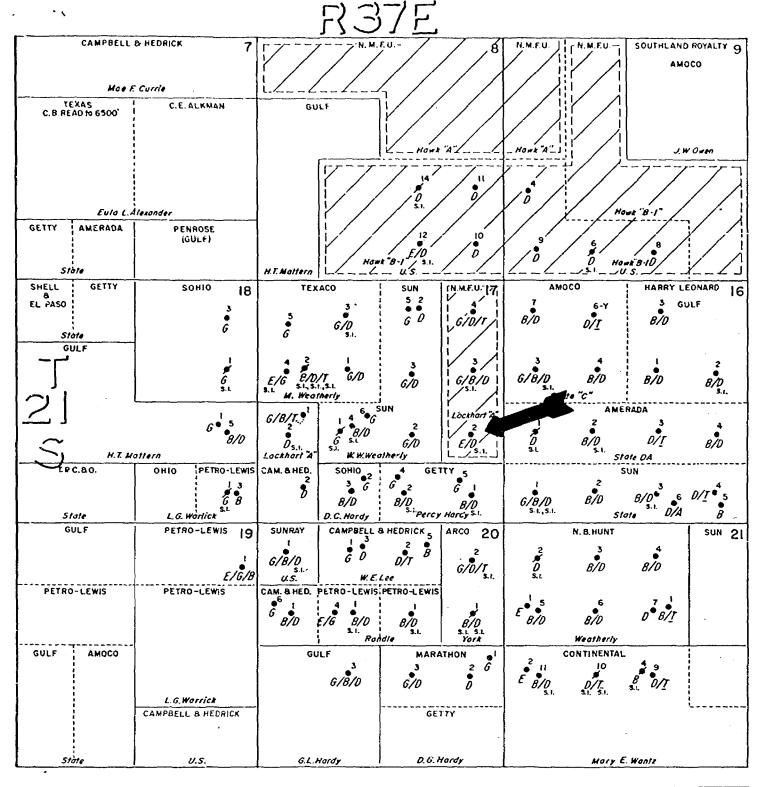
SANTA FE, NEW MEXICO

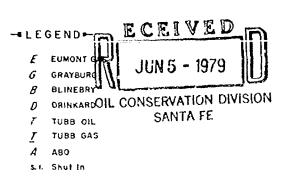
APPLICATION FOR MULTIPLE COMPLETION

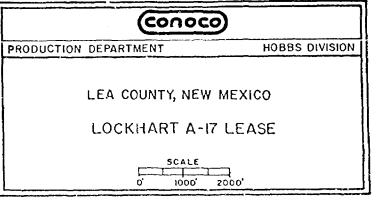
Operator 041 Car		County	Date
Continental Oil Company	, . 	Lease	May 22, 1979
Address Box 460, Hobbs, NM 88240		Lockhart A-17	2
	ection To	wnship	Range
or Well I	17	21-8	37-E
1. Has the New Mexico Oil Conservation	n Commission herecofore auch	orized the multiple completion o	f a well in these same pools or in the
same zones within one mile of the su	bject well? YES NO	O <u>X</u>	•
1. If answer is yes, identify one such ins	stance: Order No.	; Operator, Lease, and	Well No.:
i. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Eumont Queen Gas		Blinebry
b. Top and Bottom of	Lumont Queen das		Billiebly
Pay Section	3525	1	5556
(Perforations).	3565	[5948
c. Type of production (Oil or Gas)	Gas		Oil
d. Method of Production			
(Flowing or Artificial Lift)	Flowing		Artificial Lift
1. The following are attached. (Please n	nark YES of NO)		
have been furnished copies. Yes d. Electrical log of the well of	s of the application.* or other acceptable log with to available at the time applicat on which this well is located	ops and bottoms of producing zor tion is filed, it shall be submitte together with their correct mailin	
Amoco Production Co., Box			
Getty Oil Co., Box 730, F	lobbs, New Mexico 88	240	·
Sun Production Co., Box	289 K KN BETT PHET	e, Dallas, Texas 7522	1
	WN5 - 1979		
IIII	OUSTAVATION DIVISION		
of such notification	122, 9319	opy of this application? YES	NO If answer is yes, give date
CERTIFICATE: 1, the undersigned, s	tate that I am the Adminis	trative Supervisor of the	Continental Oil Company
			eport; and that this report was prepared
under my supervision and direction and th	at the facts stated therein are		
		The R. The	Walland !!
		way of . I see	Sinature
			val, the New Mexico Oil Conservation ne Commission's Santa Fe office. If,
after said twenty-day period, no p	protest nor request for hearing	is received by the Santa Fe offi	ice, the application will then be processe
NOTE: If the proposed multiple completion the producing zones, then separate the producing zones (2).	on will result in an unorthodo	x well location and/or a non-sta-	ndard proration unit in either or both of

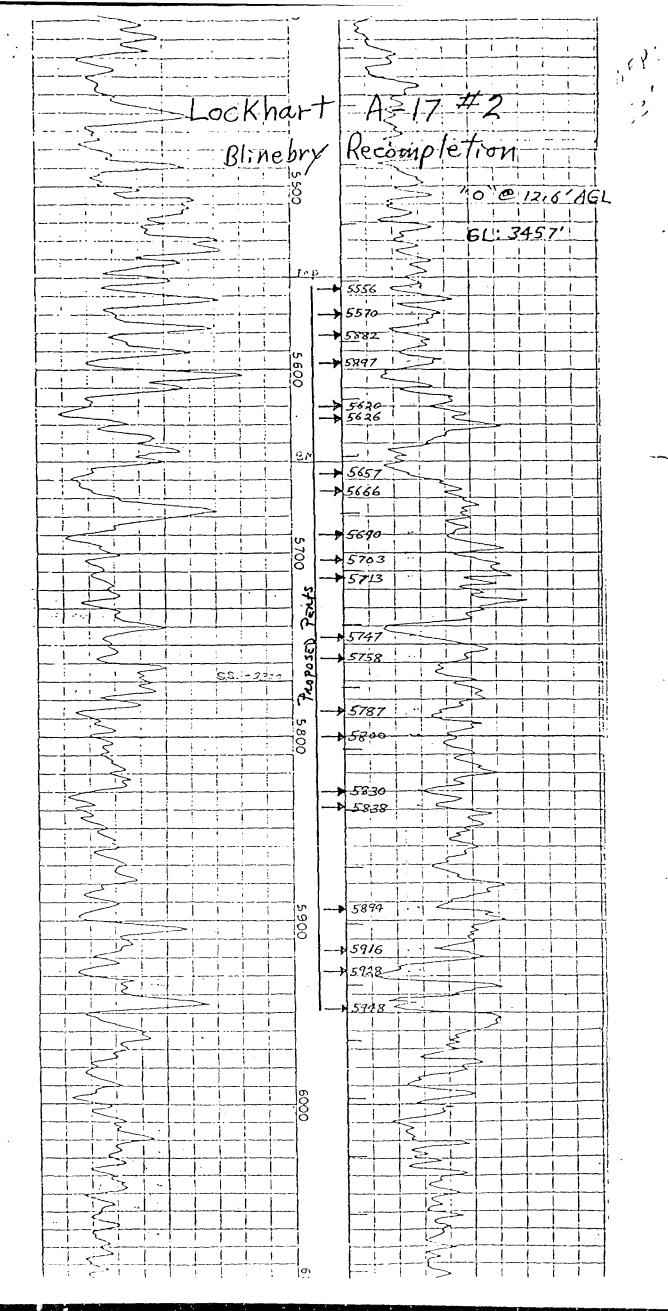


PROPOSED WELLBORE DIAGRAM LOCKHART A-17 NO. 2











ENERGY AND WINERALS DEPARTMENT OIL CONSERVATION DIVISION

JERRY APODACA

NICK FRANKLIN BECRETARY

June 29, 1979

POST OFFICE BOX 2088 6TATE CAND OFFICE BUILDING 8ANTA FC, NEW MEXICO 87501 (505) 827-2434

hr. Thomas Kellahin Kellahin & Kellahin	Re:	CASE NO. 6569 ORDER NO. R-6041
ettorneys at Law Post Office Box 1769 Santa Fe, New Mexico		Applicant:
		. Continental Oil Company
Dear Sir:		
Enclosed herewith are of Division order recently	two c y ent	opies of the above-referenced ered in the subject case.
Yours very truly, JOE D. RAMEY Director	<i></i> .	
JDR/fd		
Copy of order also sent	t to:	
Hobbs OCC X Artesia OCC X Aztec OCC		
Other		

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 CONSTDERING:

CASE NO. 6569 Order No. R-6041

APPLICATION OF CONTINENTAL OIL COMPANY 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 June 13, 1979, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 26th day of June, 1979, 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, Continental Oil Company, seeks authority to complete its Lockhart A-17 Well No. 2, located in Unit I of Section 17, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce gas from the Eumont Gas Pool through the casing-tubing annulus and oil from the Blinebry Oil and Gas Pool through 2 3/8-inch tubing.
- (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, Continental Oil Company, is hereby authorized to complete its Lockhart A-17 Well No. 2, located in Unit I of Section 17, Township 21 South, Range 37 East, AMPM,

-2-Case No. 6569 Order No. R-6041

Lea County, New Mexico, as a dual completion (conventional) to produce gas from the Eumont Gas Pool through the casingtubing annulus and oil from the Blinebry Oil and Gas Pool through 2 3/8-inch tubing with reparation of the zones to be achieved by means of a packer set at approximately 5500 feet.

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-Liquid Ratio Test Period for the Blinebry Oil and 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 herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JOE D. RAMEY

Director

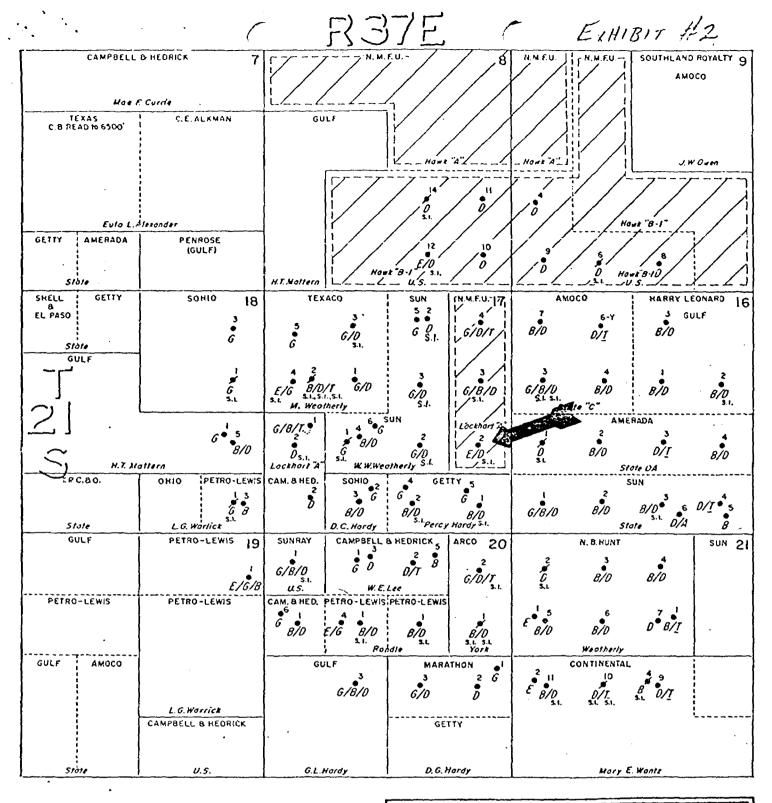
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NEW EXICO OIL CONSERVATION COME HON

APPLICATION FOR MULTIPLE COMPLETION

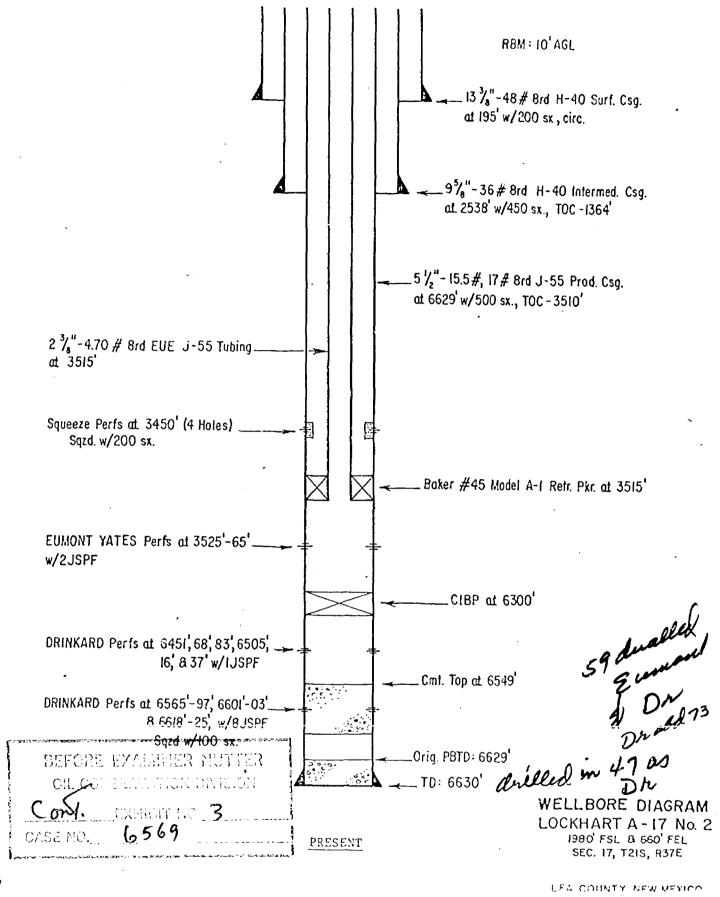
EXHIBIT #1

O etatet		County	D.	ate
Continental Off Company		1.90		May 22, 1979
Address		l.ease	u,	ell No.
Eox 460, Hobbs, NM 88240		Lockhart A-	-17	?
	ction	Township		ange
cr tell	17	21-9	;	37-E
1. Has the New Mexico Uil Conservation		thorized the multip	le completion of a w	
same zones within one mile of the sub			· · •	
				1 N
2. If answer is yes, identify one such ins	tance: Order No.	; Opera	tor, Lease, and well	1 140.:
3. The following facts are submitted:	Upper	1	ntermediate	Lower
	Zone		Zone	Zone
a. Name of Pool and Formation	Eumont Queen Gas			Blinebry
5. Top and Buttom of				
-	3525	209/		5556
Pay Section		T / MLO	1	
(Perforations)	3565	MCA) / 11-1		5948
c. Type of production (Gil or Gas)	Gas	- Harry	#,0	Oil
d. Method of Production		and and	1 A	
(Flowing or Artificial Lift)	Flowing	Day and	200	Artificial Lift
4. The following are attached. (Please m	ark YES of NO)	2. Value	or Blind	
-	ž	pr		
Yes_a. Diagrammatic Sketch of the	Multiple Completion, show	vine all chaine strip	s. including diame	eters and setting depths, centralizers
				ls, tubing strings, including diameters
and setting depth, location				
Yes b. Plat showing the location of	fall wells on applicant's l	lease, all offset we	lls on offset leases	, and the names and addresses of
operators of all leases offset				•
		each affect ancieta	or in lieu thereof.	evidence that said offset operators
		tach offset operator	i, or in they encired,	chiquide that out of the optimite
have been furnished copies				
Yes d. Electrical log of the well o	r other acceptable log with	tops and bottoms of	of producing zones a	ind intervals of perforation indicated
thereon. (If such log is not	available at the time applic	ation is filed, it sh	hall be submitted as	provided by Rule 112-A.)
5. List all offset operators to the lease o	n which this well is locate	d together with the	ir correct mailing ad	ldress.
Amerada Hess Corp., Box 3			_	
Amoco Production Co., Box	2002 Houston To	was 77001		
Anded Floddellon Co., Box	3092, notiston, re	xas 77001		
700				
Getty Oil Co., Box 730, H	lobbs, New Mexico 8	38240		
Sun Production Co., Box 2	880, Campbell Cent	re, Dallas,	Texas 75221	
,				
		~ ~~~~~~	·····	
6. Were all operators listed in Item 5 above	ve notified and furnished a	copy of this applic	ation? YES AN	O If answer is yes, give date
of such notification May	22, 1979	· ,		
CERTIFICATE: I, the undersigned, si	late that I am the Admini	<u>lstrative Sup</u>	ervisor of the Co	ontinental Oil Company
				; and that this report was prepared
under my supervision and direction and the			•	
onder my supervision and direction and the	at the facts stated therein	are true, correct and	a complete to the pe	et of my diowieche.
		7//	カーノーラ	
		(pares	1. / Just	mun
		- '	Sign	raktisk
* Should waivers from all offset ope	rators not accompany an ag	pplication for admir	nistrative approval,	the New Mexico Oil Conservation
Commission will hold the applicat				
				the application will then be processed.
NOTE: If the proposed multiple completion				
the producing zones, then separates: NMOOD (5): ISOS (2): 12	c abblication for approval	of the same should	be filed simultanen	isly with this application.
ec: Much (5): ESGS (2): 12	AND AMPLEATED FEE			

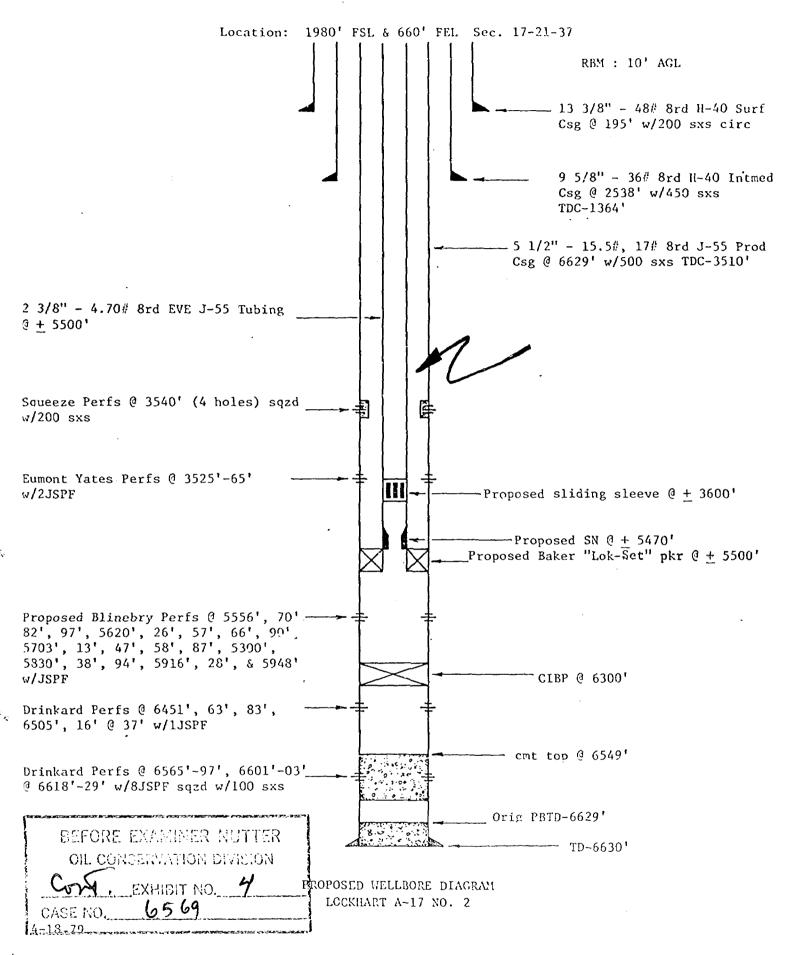


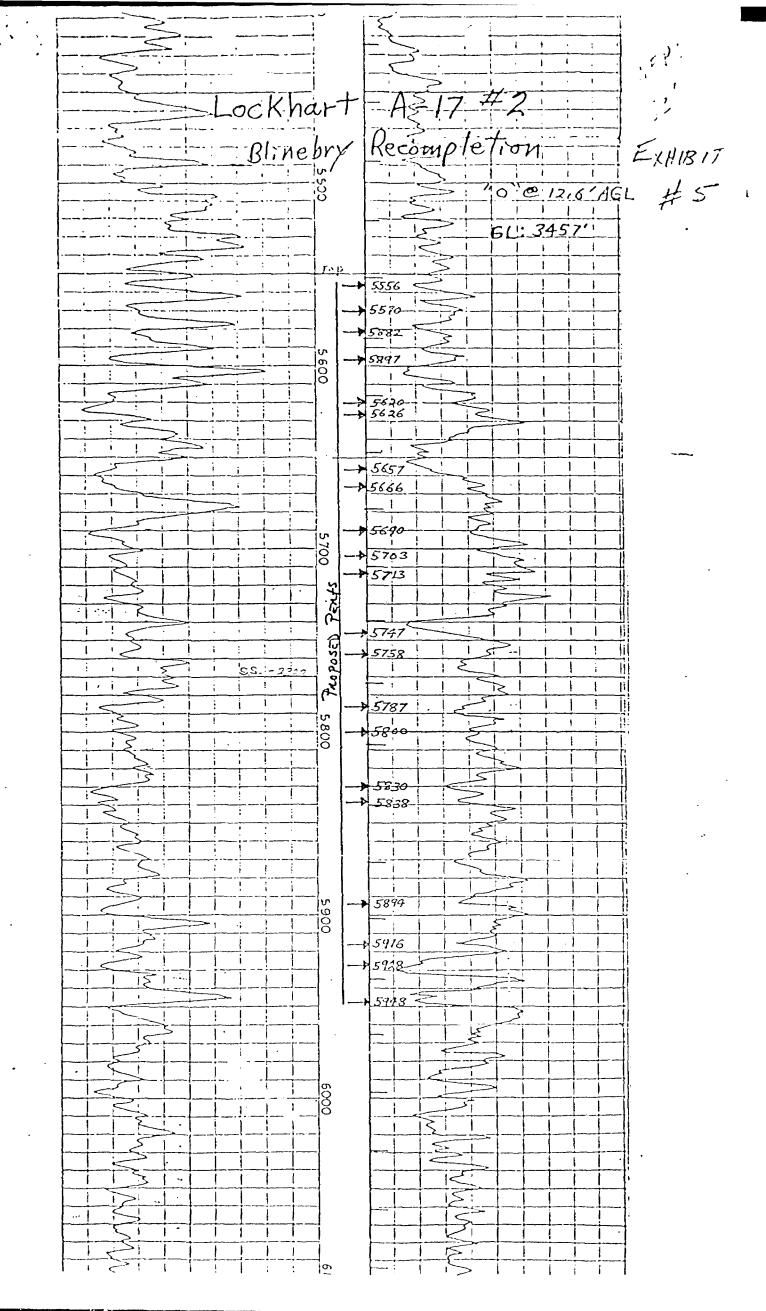
- LEGEND -	Conoco
E EUMONT GAS G GRAYBURG B BLINEBRY O DRINKARD T TUBB GAS A ABO 1. Shut in	!}

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L99 3-1-79



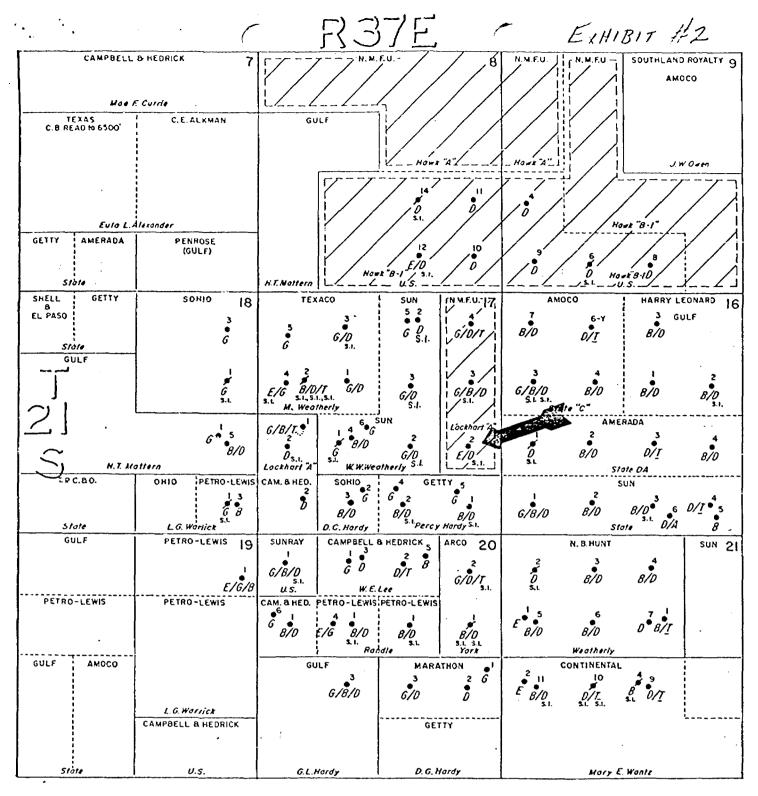


HEY EXICO OIL CONSERVATION COME HON

APPLICATION FOR MULTIPLE COMPLETION

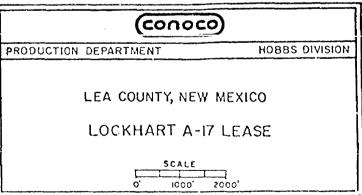
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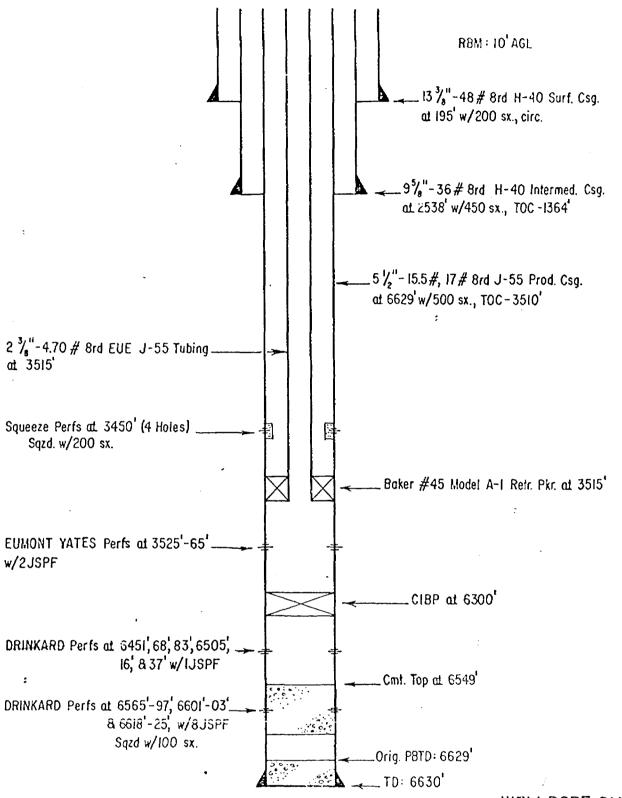
		 		
O, erator		County	Date	. 22 1070
Continental Oil Company			Vell :	<u>May 22, 1979</u>
Address		Lease	1,611.	.10.
Eox 460, Hobbs, NM 88240		llockhart A-17		2
1	ection	Township	Range	
or sell I . !	17	21-5		37-E
1. Has the New Mexico Uil Conservation			pletion of a well	in these same pools of in the
same zones within one mile of the su				
2. If answer is yes, identify one such in	stance: Order No	; Operator, L	ease, and Well No).;
3. The following facts are submitted:	Upper	Interme		Lower
	Upper Zone	Zon	ie	Zone
a. Name of Pool and Formation	Eumont Queen Gas	s		Blinebry
5. Top and Buttom of				
Pay Section	3525			5556
(Perforations)	3565	1		5948
e. Type of production (Oil or Gas)	Gas			Oil
d. Method of Production				
(Flowing or Artificial Lift)	Flowing	i i		Artificial Lift
4. The following are attached. (Please				Artificial Lift
4. The following are attached. At rease i	HER TES OF NO			
You and the second			1 11	
Yes a. Diagrammatic Sketch of the				
and for turbolizers and loc	ation thereof, quantities us	ed and top of cement, peri	forated intervals,	tubing strings, including diameter.
	and type of packers and s			
Yes b. Plat showing the location	of all wells on applicant's	lease, all offset wells on	offset leases, an	d the names and addresses of
operators of all leases offse	tting applicant's lease.			
c. Waivers consenting to such	h multiple completion from	each offset operator, or it	a lieu thereof, evi	idence that said offset operators
have been furnished copie				
Yes d. Electrical log of the well of	or other acceptable log with	h tops and bottoms of proc	lucing zones and	intervals of perforation indicated
thereon. (If such log is not				
5. List all offset operators to the lease				
Amerada Hess Corp., Box 8				
111102000000000000000000000000000000000	, , , , , , , , , , , , , , , , , , , ,			
Amoco Production Co., Box	x 3092 Houston, T	evas 77001		
timoco froduction dot, bo	t 3032, noticeon, 1	CARD 77001		
Cotty Oil Co Roy 730 1	Jabba Nou Movica	88240		
Getty 0il Co., Box 730, 1	loods, New Hexico	00240		
Con Bredontina Co. Broad	3000 C1-11 C	b D 11 M	75001	
Sun Production Co., Box 2	2880, Campbell Cen	tre, Dallas, Texa	s /5221	
			•	
6. Were all operators listed in Item 5 abo	ve notified and furnished a	copy of this application?	YES X NO	If answer is yes, give date
of such notificationMay	22, 1979	· .		
		•		
CERTIFICATE: I, the undersigned, s	tate that I am the Admin	<u>istrative Supervi</u>	sor of the Cont	inental Oil Company
				d that this report was prepared
under my supervision and direction and th				
and the second s	at the lates stores more	/	Ser 7	
		Take R.	7	Market 1
		W74 71.	- resident	
* Should mainess from all affers		1	Signatu	pe
Should waivers from all offset ope				
Commission will hold the applica				
				application will then be processed
NOTE: If the proposed multiple completion				
the producing zones, then separa	te application for approval	of the same should be file	d simultaneously	with this application.
cc: NMOCD(5): USGS(2): X	MEU (4): File'(1)			•



→ LEGEND →

- E EUMONT GAS
- 6 GRAYBURG
- 8 BLINEBRY
- 0 DRINKARD
- T TUBB OIL
- T TUBB GAS
- A A80
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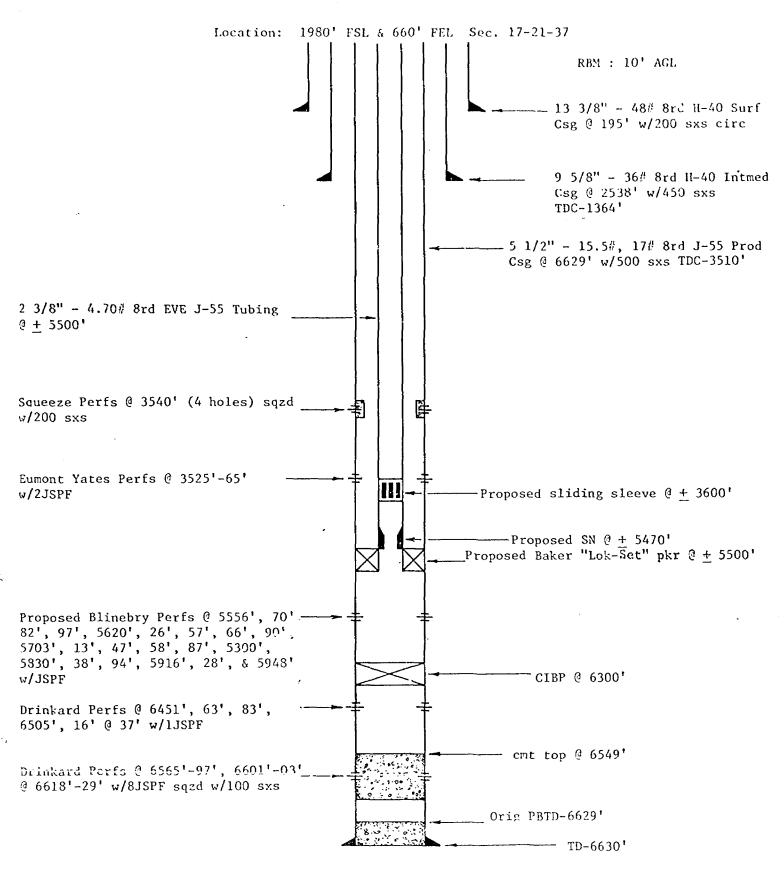


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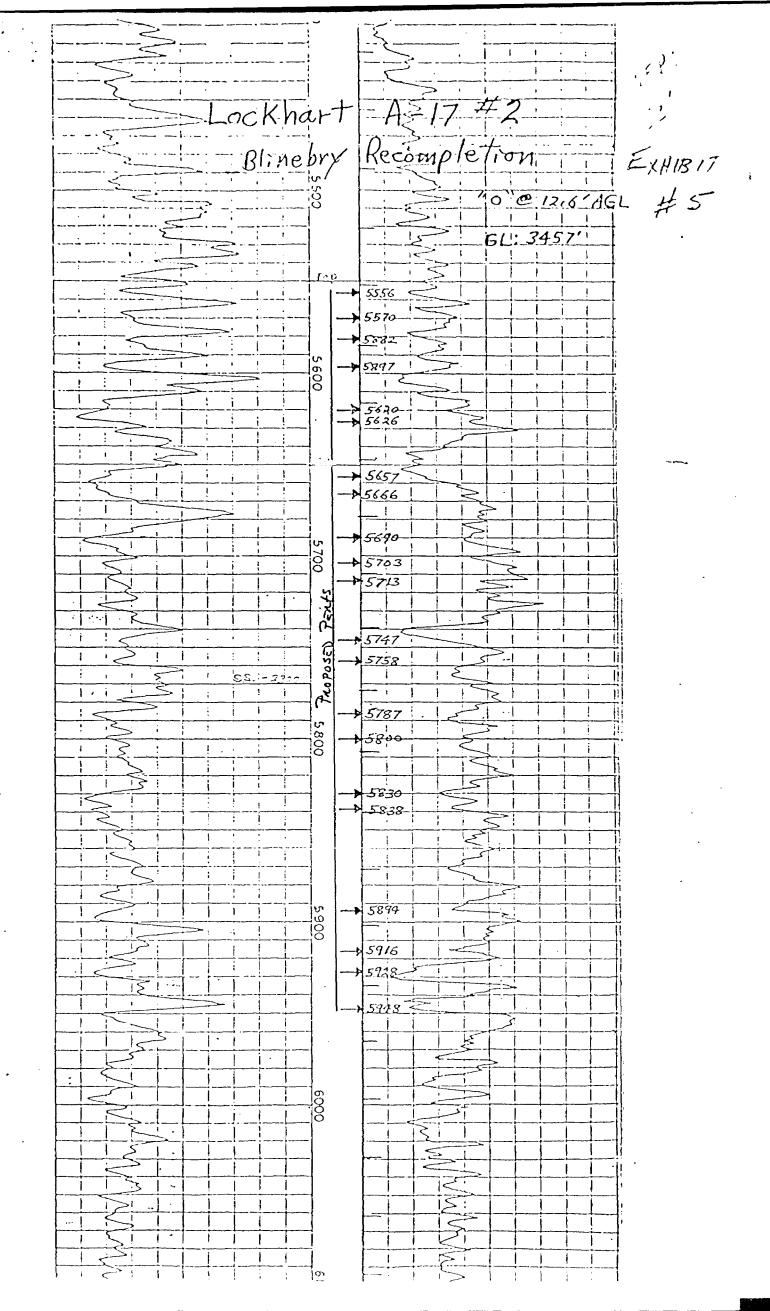
WELLBORE DIAGRAM LOCKHART A - 17 No. 2 1980' FSL 8 660' FEL SEC. 17, T21S, R37E

LEA COUNTY NEW MEXICO

LPS 3-1-79



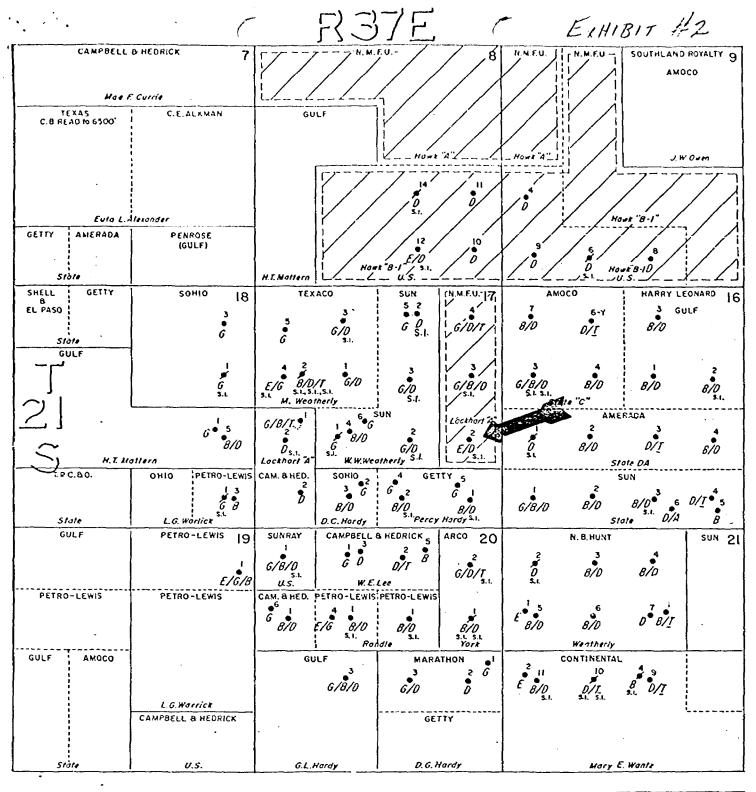
PROPOSED WELLBORE DIAGRAM LOCKHART A-17 NO. 2



NEW SXICO OIL CONSERVATION COMM SION

LICATION FOR MULLI	IPLE COMPLETION		
		EVHIRIT	المبله

Octator Gontinental Oll Company Address Box 460, Hobbs, NM 88240 I ceation Unit of 4ell I. Has the New Mexico Oil Conservation same zones within one mile of the su 2. It susper is yes, identify one such ins 3. The following facts are submitted: a. Name of Pool and Formation 5. Top and Bottom of	bject well? YES	vo X	Range completion of a well	37-E
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a. Name of Pool and Formation	Upper		or, Lease, and -err in	···
a. Name of Pool and Formation	Upner			
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Dan Cantai	2525	ł		5557
Pay Section (Perforations)	3525 3565			5556
c. Type of production (Oil or Gas)	Gas			5948
d. Method of Production	Gas			Oil
(Flowing or Artificial Lift)	Flowing			Artificial Lift
4. The following are attached. (Please r			· · · · · · · · · · · · · · · · · · 	T ALCITICIAL LITE
have been furnished copies Yes d. Electrical log of the well of thereon. (If such log is not so the lease of Amerada Hess Corp., Box 8 Amoco Production Co., Box Getty Oil Co., Box 730, 1	or other acceptable log with available at the time application which this well is local 340, Seminole, Texto 3092, Houston, Table 1000s, New Mexico	ication is filed, it she led together with their las 79360 Cexas 77001 88240	all be submitted as pre-	ovided by Rule 112-A.)
Sun Production Co., Box 2	2000, Campbell Cel	itie, balias, l	exas /JZZI	
/ B				
	22, 1979	· .		
CERTIFICATE: 1, the undersigned, s				tinental Oil Company nd that this report was prepared
under my supervision and direction and th		are true, correct and		of my knowledge.
* Should waivers from all offset op Commission will hold the applica		application for admini	strative approval, the	New Mexico Oil Conservation
	rotest nor request for hea on will result in en unorth	ring is received by the	e Santa Fe office, the d/or a non-standard p	application will then be processed rotation univin either or both of

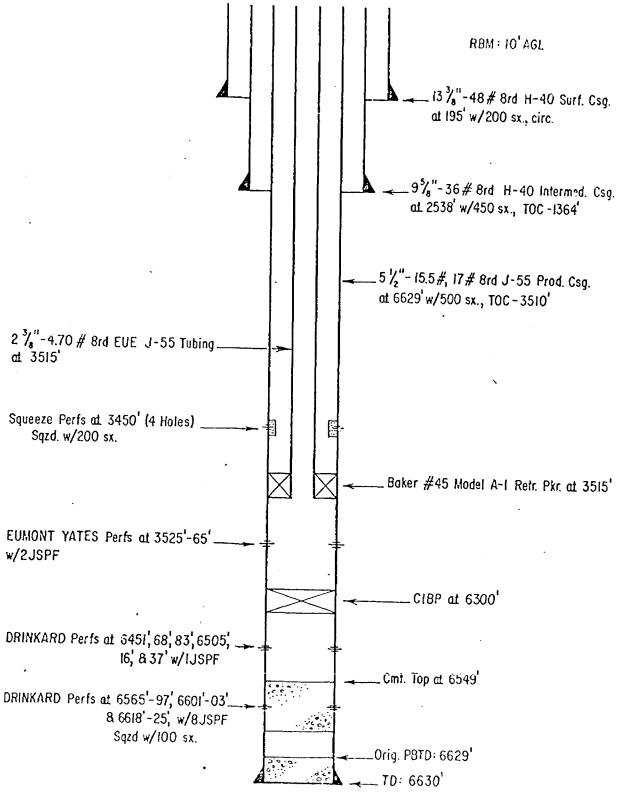


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PRODUCTION DEPARTMENT	HOBBS DIVISION
LEA COUNTY, NEW LOCKHART A-17	
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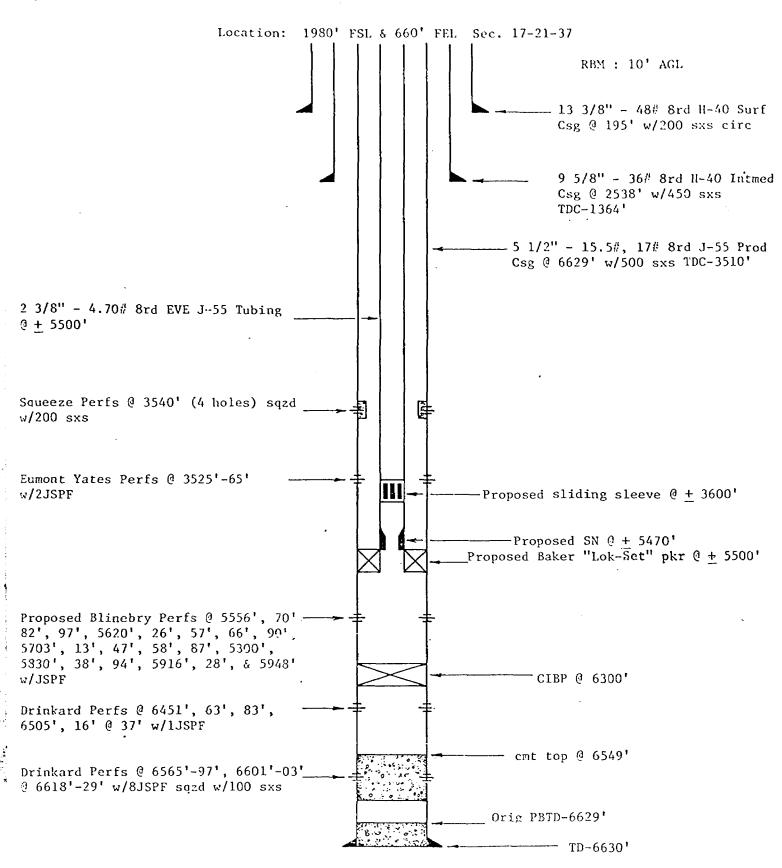


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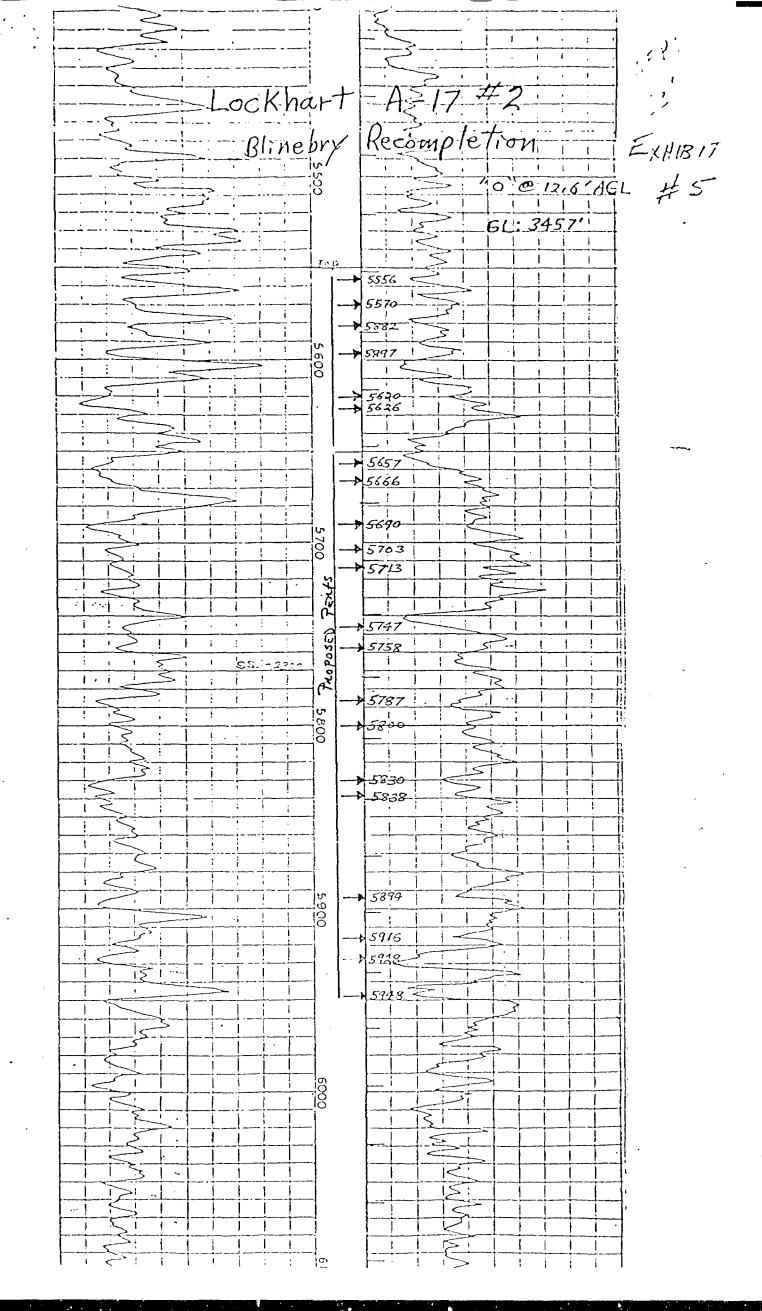
WELLBORE DIAGRAM LOCKHART A - 17 No. 2 1980' FSL & 660' FEL SEC. 17, T21S, R37E

LEA COUNTY NEW MEXICO

LPS 3-1-70



PROPOSED WELLBORE DIAGRAM LOCKHART A-17 NO. 2



Dockets Nos. 24-79 and 25-79 are tentatively set for hearing on June 27 and July 11, 1979. Applications for hearing must be filled at least 22 days in advance of hearing date.

DOCKET: COMMISSION HEARING - MEDNESDAY - JUNE 6, 1979

OIL CONSERVATION COMMISSION - 9 A.M. - ROOM 205 STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

CASE 6495: (DE NOVO)

Application of Amax Chemical Corporation for the amendment of Order No. R-111-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-111-A to extend the boundaries of the Potash-Oil Area by the inclusion of certain lands in Sections 23 and 24, Township 19 South, Range 29 East, Sections 1, 4, 5, 6, 7, 11, 12, 13, 14, 19, 20, 23, 24, and 29, Township 19 South, Range 30 East, and Sections 7, 8, 17, 18, and 19, Township 19 South, Range 31 East, all in Eddy County, New Mexico.

Upon application of Amax Chemical Corporation this case will be heard De Novo pursuant to the provisions of Rule 1220.

Docket No. 23-79

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 13, 1979

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

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

- ALLOWABLE: (1) Consideration of the allowable production of gas for July, 1979, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for July, 1979, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
- CASE 6560: Application of Exxon Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (combination) of its "AB" State Well No. 4 located in Unit A of Section 16, Township 24 South, Range 37 East, to produce gas from the Langlie Mattix Pool and oil from the Fowler-Upper Yeso Pool, through parallel strings of casing cemented in a common well bore.
- CASE 6561: Application of Amoco Production Company for directional drilling, Lea County, New Mexico. Applicant, in the above-styled cause, proposes to directionally drill its State "HC" Well No. 1 located 1930 feet from the South and West lines of Section 21, Township 16 South, Range 35 East, Townsend Field, to a bottom hole location within 100 feet of a point 990 feet from the South line and 2310 feet from the East line of said Section 21, the S/2 of said Section 1 to be dedicated to the well.
- CASE 6562: Application of Orla Petco, Inc. for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, see's authority to dispose of produced salt water into the Ramsey Sand of the Bell Canyon formation through the open hole interval from 2498 feet to 2508 feet in its Gourley-Federal Well No. 4 located in Unit J of Section 31, Township 22 South, Range 28 East, Herradura Bend-Delaware Pool.
- CASE 6563: Application of Roy L. McKay for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for his North Woolworth Ranch Unit Area, comprising 1,280 acres, more or less, of State lands in Township 23 South, Range 35 East.
- Application of Herndon Oil & Gas Co. for an unorthodox oil well location, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the unorthodox location of its O. A. Woody Well

 No. 1 in the center of Unit E, Section 35, Township 16 South, Range 38 East, Knowles-Devonian Pool.
- CASE 6565: Application of Lewis B. Burleson, Inc. for compulsory pooling, a non-standard gas proration unit, and an unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all nineral interests in the Jalmat Gas Pool underlying the W/2 SE/4 of Section 20, Township 25 South, Range 37 East, to form an 80-acre non-standard gas proration unit to be dedicated to a well to be drilled at an unorthodox location 1650 feet from the South and East lines of said Section 20. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

- CASE 6566: Application of Lewis B. Burleson, Inc. for an unorthodox well location and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard gas proration unit comprising the SW/4 of Section 10, Township 24 South, Range 36 East, Jahrat Cas Pool, to be dedicated to a well to be drilled 2310 feet from the South and West Times of said Section 10.
- CASE 6567: Application of Newbourne Oil Company for an unorthodox well location, Chaves County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State 25 Com Well

 No. 1 660 feet from the South line and 1650 feet from the West line of Section 25, Township 14 South,

 Range 27 East, Buffalo Valley-Pennsylvanian Gas Pool, the S/2 of said Section 25 to be dedicated to the
 well.
- CASE 6568: Application of Dallas McCastand for approval of infill drilling, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks a waiver of existing well spacing requirements and a finding that the drilling of his Woolworth Well No. 5 located in Unit P of Section 28, Township 24 South, Range 37 East, Jalmat Gas Pool, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.
- CASE 6569: Application of Continental Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Lockhart A-17 Well No. 2 located in Unit I of Section 17, Township 21 South, Range 37 East, to produce gas from the Eumont Gas Pool through the casing-tubing annulus and oil from the Blinehry Oil and Gas Pool through tubing.
- CASE 6570: Application of Continental Oil Company for a non-standard gas proration unit and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 228-acre non-standard gas proration unit comprising the SW/4 and S/2 SE/4 of Section 18, Township 21 South, Range 36 East, Eumont Gas Pool, to be simultaneously dedicated to applicant's Lockhart A-18 Wells Nos. 2, 3, and 4, located in Units O, K, and M, respectively, of said Section 18.
- CASE 6571: Application of Continental Oil Company for vertical pool limit redefinition, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks an order extending the vertical limits of the Langlie Mattix Pool to include the lowermost 165 feet of the Seven Rivers formation and the concomitant contraction of the vertical limits of the Jalmat Gas Pool underlying the following described lands: SW/4 W/2 SE/4 and SE/4 SE/4 of Section 35, Township 23 South, Range 36 East; and NW/4, W/2 NE/4, and SE/4 NE/4 of Section 1, Township 24 South, Range 36 East.
- CASE 6537: (Continued from May 9, 1979, Examiner Hearing)

Application of Harper Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for its West Ranger Lake Unit Area, comprising 1,120 acres, more or less, of State lands in Township 12 South, Range 34 East, Lea County, New Mexico.

CASE 6553: (Continued from May 23, 1979, Fxaminer Hearing)

Application of The Atlantic Richfield Company for approval of infill drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the Division waived existing well-spacing requirements and found that the drilling of additional wells was necessary to effectively and efficiently drain those portions of the proration units in the Empire Abo Unit located in Townships 17 and 18 South, Ranges 27, 28 and 29 East, which could not be so drained by the existing wells.

- CASE 6572: Application of ARCO Oil and Gas Company to drill a horizontal drainhole, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks approval to drill and complete its Empire Abo Unit Well No.

 K-142, located in Unit K of Section 2, Township 18 South, Range 27 East, Empire-Abo Pool, with a single horizontal drainhole of about 200 feet in length in the Abo formation.
- CASE 6573: Application of Mesa Petroleum Company for directional drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the directional drilling of its Well No. 7 in the Nash Unit, the surface location of which would be 685 feet from the North line and 1295 feet from the West line of Section 18, to be vertically drilled to approximately 7,000 feet, and then directionally drilled to a bottom hole location in the Morrow formation within 400 feet of a point 1315 feet from the South line and 1320 feet from the West line of Section 7, all in Township 23 South, Range 30 East.
- CASE 6574: Application of Texas Oil & Gas Corp. for an unorthodox gas well location and compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp through Morrow formations underlying the E/2 of Section 6, Township 17 South, Range 35 East, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South and East lines of said Section 6. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

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CASE 6535: (Continued from May 23, 1979, Examiner Hearing)

Application of Torreon Oil Company for a waterflood project, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the San Luis-Mesaverde Pool by the injection of water into the Menefee formation through two wells located in Section 21, Township 18 North, Range 3 West, Sandoval County, New Mexico.

- CASE 6575: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, contracting the vertical limits, and extending the horizontal limits of certain pools in Eddy, Lea, and Roosevelt Counties, New Mexico:
 - (a) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Wolfcamp production and designated as the Cass Draw-Wolfcamp Gas Pool. The discovery well is Black River Corporation Miller Com Well No. 1 located in Unit C of Section 10, Township 23 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM Section 10: N/2

(b) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Abo production and designated as the Runyan Ranch-Abo Gas Pool. The discovery well is Mesa Petroleum Company Runyan Federal Com Well No. 1 located in Unit E of Section 17, Township 19 South, Range 23 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 23 EAST, NMPM Section 17: NW/4

(c) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Runyan Ranch-Morrow Gas Pool. The discovery well is Mesa Petroleum Company Gardner State Well No. 1 located in Unit K of Section 8, Township 19 South, Range 23 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 23 EAST, NMPM Section 8: W/2

(d) EXTEND the Austin-Mississippian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 36 EAST, NMPM Section 16: SE/4 Section 17: NE/4

(e) EXTEND the Avalon-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 26 EAST, NMPM Section 28: N/2

(f) EXTEND the Avalon-Wolfcamp Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 26 EAST, NMPA Section 21: SW/4 Section 28: N/2

(g) EXTEND the Buffalo-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM Section 6: M/2

(h) EXTEND the Burton Flat-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMFM Section 12: S/2 Section 13: N/2

(i) EXTEND the Chaveroo-San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM Section 34: SW/4

(j) EXTEND the South Culebra Bluff-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM Section 22: N/2 Section 35: N/2

(k) EXTEND the Diamond Mound-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 27 EAST, NMPM Section 12: N/2

(1) EXTEND the Dublin Ranch-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM Section 21: E/2

(m) EXTEND the East Eagle Creek Atoka-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM Section 13: S/2

(n) EXTEND the South Empire-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM Section 19: S/2

(o) EXTEND the Eumont Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 36 EAST, NMPM Section 32: W/2

(p) EXTEND the Hardy-Blinebry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM Section 2: E/2 SE/4 and SW/4 SE/4

(q) EXTEND the Herradura Bend-Delaware Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM Section 5: E/2 NW/4

(r) EXTEND the Indian Flats-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM Section 25: S/2 Section 36: W/2

(s) EXTEND the Kennedy Farms-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 26 EAST, NMPM Section 10: S/2
Section 11: S/2
Section 16: E/2

(t) EXTEND the East Lake-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM Section 32: W/2

(u) EXTEND the Logan Draw-Cisco Canyon Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM Section 28: W/2

(v) EXTEND the West Malaga-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 28 EAST, NMPM Section 16: N/2

(w) EXTEND the Penasco Draw-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 24 EAST, MMPM Section 25: N/2

(x) EXTEND the South Peterson-Fusselman Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 5 SOUTH, RANGE 33 FAST, NMPM Section 31: NW/4

(y) CONTRACT the vertical limits of the Shoe Bar-Pennsylvanian Gas Pool in Lea County, New Mexico, to the Atoka formation only and redesignate said pool as the Shoe Bar-Atoka Gas Pool, and extend the horizontal limits of said pool to include therein:

TOWNSHIP 16 SOUTH, RANGE 35 EAST, EMPM Section 34: SW/4

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM Section 3: N/2

(z) EXTEND the Teague-Abo Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 37 FAST, NMPM Section 22: S/2 Section 27: NE/4

(aa) EXTEND the Todd-Nolfcamp Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM Section 22: NE/4

(bb) EXTEND the Tomahawk-San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 FAST, NMPM Section 30: W/2

(cc) EXTEND the West Tonto-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM Section 7: NW/4

(dd) EXTEND the Turkey Track-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM Section 14: W/2
Section 15: E/2
Section 23: All
Section 24: W/2

(ee) EXTEND the Wantz-Granite Wash Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM Section 3: SE/4 Section 10: NE/4



L. P. Thompson Division Manager

John R. Kemp Assistant Division Manager

Production Department Hobbs Division North American Production

Continental Oil Company P.O. Box 460 1001 North Turner Hobbs, New Mexico 88240 (505) 393-4141

May 22, 1979

Oil Conservation Division Department of Energy & Minerals State of New Mexico P.O. Box 2088 Santa Fe, New Mexico 87501

Attention Mr. Dan Nutter

Gentlemen:

Application for Dual Completion of Lockhart A-17 Well No. 2, Euront Yates Seven Rivers Queen Gas Pool and Blinebry Oil & Gas Pool, Lea County, New

Enclosed are three (3) copies of the above named application. Please set this matter for hearing on the earliest available examiner docket.

Yours very truly,

L. P. Thompson

HAI/jj

enc

J. W. Kellahin, Santa Fe

V. T. Lyon, Houston

OIL CONSERVATION DIVISION SANTA FE

BEFORE THE OIL CONSERVATION DIVISION OF THE NEW MEXICO DEPARTMENT OF ENERGY & MINERALS

IN THE MATTER OF THE APPLICATION OF CONTINENTAL OIL COMPANY FOR APPROVAL TO DUALLY COMPLETE ITS LOCKHART A-17 WELL NO. 2 IN THE EUMONT YATES SEVEN RIVERS QUEEN GAS POOL AND THE BLINEBRY OIL AND GAS POOL, LOCATED IN UNIT "I" OF SECTION 17, T-21-S, R-37-E, LEA COUNTY, NEW MEXICO, AND TO PRODUCE THE GAS EUMONT YATES SEVEN RIVERS QUEEN GAS THROUGH THE CASING ANNULUS.

ECEIVED D

OIL CONSERVATION DIVISION SANTA FE

APPLICATION

Applicant, CONTINENTAL OIL COMPANY, respectfully requests authority to dually complete in the Eumont Yates Seven Rivers Queen Gas and Blinebry Oil & Gas Pools its Lockhart A-17 Well No. 2, located in Unit "I" of Section 17, T-21-S, R-37-E, Lea County, New Mexico, and in support thereof would show:

- 1. Applicant is operator and co-owner of the Lockhart A-17 lease, which in addition to other lands, includes the E/2 E/2 of Section 17, T-21-S, R-37-E, Lea County, New Mexico.
- 2. Applicant has drilled and completed in the Eumont Yates Seven Rivers

 Queen Gas Pool its Lockhart A-17 Well No. 2, located in said Section 17 on said

 lease.
- 3. That the aforementioned well is presently completed in the Eumont Yates

 Seven Rivers Queen and that dual completion in the Blinebry Oil & Gas Pool will

 recover reserves that would not otherwise be recovered.
- 4. That 120 acres will be dedicated to this gas well consisting of the E/2 NE/4 and NW/4 SE/4 of Section 17, T-21-S, R-37-E, Lea County, New Mexico.
- 5. That the granting of this application will prevent waste and will not impair correlative rights.

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 Lockhart Λ -17 Well No. 2, as described above.

Respectfully submitted,

CONTINENTAL OIL COMPANY

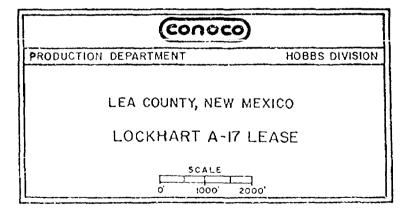
L. P. THOMPSON

Division Manager of Production

CAMPBELL & HEURICK N.M.EU. SOUTHLAND ROYALTY 9 Mae E Curile C.E. ALKMAN BULL J.W. Owen Eula L'Alexander GETTY AMERADA Stale H.T. Maltern HARRY LEONARD 16 SUN 5 2 6 0 SHELL SOHIO [N.M.F.U.]77 TEXACO 18 6/0/1 EL PASO 3 GULF 8/0 3 6 Stote 6 6 5 8/0 8/0 PETRO-LEWIS OHIO CAM. & HED. 8/D 6 3.L D/A 6/8/D 3.L,3.L 8/0 State D.C. Hordy Stole PETRO-LEWIS 19 CAMPBELL & HEDRICK 5 GULF SUNRAY SUN 21 ARCO 20 6/8/0 u.s. 2 0 3.1. 6/0/T W.E.Lee PETRO-LEWIS PETRO-LEWIS CAM. 8 HED. PETRO-LEWIS PETRO-LEWIS £/6 B/D 8/0 Weatherly GULF AMOCO CONTINENTAL 3 6/0 6/8/0 L.G. Warrick CAMPBELL & HEDRICK GETTY D.G. Hordy u.s. G.L.Hardy Mary E. Wante

- LEGEND -

- E EUMONT GAS
- G GRAYBURG
- 8 BLINEBRY
- D DRINKARD
- TUBB OIL
- TUBB GAS
- A ABO
- s.i. Shut In



BEFORE THE OIL CONSERVATION DIVISION OF THE NEW MEXICO DEPARTMENT OF ENERGY & MINERALS

IN THE MATTER OF THE APPLICATION OF CONTINENTAL OIL COMPANY FOR APPROVAL TO DUALLY COMPLETE ITS LOCKHART A-17 WELL NO. 2 IN THE EUMONT YATES SEVEN RIVERS QUEEN GAS POOL AND THE BLINEBRY OIL AND GAS POOL, LOCATED IN UNIT "I" OF SECTION 17, T-21-S, R-37-E, LEA COUNTY, NEW MEXICO, AND TO PRODUCE THE GAS EUMONT YATES SEVEN RIVERS QUEEN GAS THROUGH THE CASING ANNULUS.

Cas 6569

APPLICATION

Applicant, CONTINENTAL OIL COMPANY, respectfully requests authority to dually complete in the Eumont Yates Seven Rivers Queen Gas and Blinebry Oil & Gas Pools its Lockhart A-17 Well No. 2, located in Unit "I" of Section 17, T-21-S, R-37-E, Lea County, New Mexico, and in support thereof would show:

- 1. Applicant is operator and co-owner of the Lockhart A-17 lease, which in addition to other lands, includes the E/2 E/2 of Section 17, T-21-S, R-37-E, Lea County, New Mexico.
- 2. Applicant has drilled and completed in the Eumont Yates Seven Rivers
 Queen Gas Pool its Lockhart A-17 Well No. 2, located in said Section 17 on said
 lease.
- 3. That the aforementioned well is presently completed in the Eumont Yates Seven Rivers Queen and that dual completion in the Blinebry Oil & Gas Pool will recover reserves that would not otherwise be recovered.
- 4. That 120 acres will be dedicated to this gas well consisting of the E/2 NE/4 and NW/4 SE/4 of Section 17, T-21-S, R-37-E, Lea County, New Mexico.
- 5. That the granting of this application will prevent waste and will not impair correlative rights.

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 Lockhart A-17 Well No. 2, as described above.

Respectfully submitted,

CONTINENTAL OIL COMPANY

T. P. THOMPSON

Division Manager of Production

SOUTHLAND ROYALTY 9 CAMPBELL & HEDRICK N.M.E.U. AMOCO Mae F. Currie GULF TEXAS C.B.READ to 6500' C.E. ALKMAN J. W. Owen Eula L. Alexander GETTY AMERADA PENROSE (GULF) H.T. Mottern [N.M.F.U.-]7 SHELL ! SONIO AMOCO TEXACO 18 6/0/1 EL PASO 3 GULF 8/0 3 6 State GULF 6 5 8/0 8/0 Stote DA SOHIO 2 3 6 8/0 PETRO-LEWIS OHIO CAM. & HED. FRC.BO. SUN 6 8 8 B/D 6 D/I 5 to D/A B B/D D.C. Hordy State State PETRO-LEWIS 19 CAMPBELL B HEDRICK 5 SUNRAY ARCO 20 GULF N. B. HUNT SUN 21 6/8/0 3.1. 6/0/7 us. W. E. Lee CAM B HED. PETRO-LEWIS PETRO-LEWIS PETRO-LEWIS PETRO-LEWIS 8/D E/6 B/0 Weatherly GULF AMOCO GULF CONTINENTAL 6/0 6/8/0 L.G. Worrick CAMPBELL & HEDRICK GETTY D. G. Hordy U.S. G.L.Hardy Mary E. Wantz

- LEGEND-

- E EUMONT GAS
- 6 GRAYBURG
- 8 BLINEBRY
- O DRINKARD
- TUBB OIL
- TUBB GAS
- A ABO
- s.c. Shut In

(conoco)

PRODUCTION DEPARTMENT

HOBBS DIVISION

LEA COUNTY, NEW MEXICO

LOCKHART A-I7 LEASE

5CALE 0' '000' 2000'

BEFORE THE OIL CONSERVATION DIVISION OF THE NEW MEXICO DEPARTMENT OF ENERGY & MINERALS

IN THE MATTER OF THE APPLICATION OF CONTINENTAL OIL COMPANY FOR APPROVAL TO DUALLY COMPLETE ITS LOCKHART A-17 WELL NO. 2 IN THE EUMONT YATES SEVEN RIVERS QUEEN GAS POOL AND THE BLINEBRY OIL AND GAS POOL, LOCATED IN UNIT "I" OF SECTION 17, T-21-S, R-37-E, LEA COUNTY, NEW MEXICO, AND TO PRODUCE THE GAS EUMONT YATES SEVEN RIVERS QUEEN GAS THROUGH THE CASING ANNULUS.

Case 6569

APPLICATION

Applicant, CONTINENTAL OIL COMPANY, respectfully requests authority to dually complete in the Eumont Yates Seven Rivers Queen Gas and Blinebry Oil & Gas Pools its Lockhart A-17 Well No. 2, located in Unit "I" of Section 17, T-21-S, R-37-E, Lea County, New Mexico, and in support thereof would show:

- 1. Applicant is operator and co-owner of the Lockhart A-17 lease, which in addition to other lands, includes the E/2 E/2 of Section 17, T-21-S, R-37-E, Lea County, New Mexico.
- 2. Applicant has drilled and completed in the Eumont Yates Seven Rivers

 Queen Gas Pool its Lockhart A-17 Well No. 2, located in said Section 17 on said

 lease.
- 3. That the aforementioned well is presently completed in the Eumont Yates Seven Rivers Queen and that dual completion in the Blinebry Oil & Gas Pool will recover reserves that would not otherwise be recovered.
- 4. That 120 acres will be dedicated to this gas well consisting of the E/2 NE/4 and NN/4 SE/4 of Section 17, T-21-S, R-37-E, Lea County, New Mexico.
- 5. That the granting of this application will prevent waste and will not impair correlative rights.

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 Lockhart A-17 Well No. 2, as described above.

Respectfully submitted,

CONTINENTAL OIL COMPANY

L. P. THOMPSON'

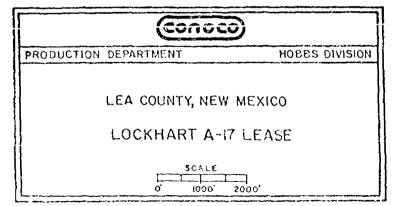
Division Manager of Production

R37E

CAMPBELL	B-HEDRICK 7	[////N.M	.F.U	8 R.M.EU.	N.M.EU - SOL	THEAND ROYALTY 9
Mo• F	Curde .		///			AMOCO
C B READ M 6500'	C.E. ALKMAN	GULF	Howk "A"	Howk A".		J. W. Ovren
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GETTY AMERADA	PENROSE (GULF)	H.T. Waltern	! E/O /	0 0	6 0 Howes-1	8 0
SHELL GETTY 8 EL PASO STOTO	sоню 18 3 • 6	5 6/0 6 31.	5 2	5.U 7 A	6-Y	ARRY LEONARD 16 3 GULF B/O
GOLF	, , , , , , , , , , , , , , , , , , ,	E/G B/D/T G/D 3.1.3.1.3.1 M. Weatherly	6/D 6/3	8/0 6/8/0	*• "c"	1 2 1/D 8/D 3.1.
S M.Z. M.	G • 5 8/D	6/8/T. 1 4 6 0 8/0	G/D E/	norta	AMERADA 2 8/0 51. Stote D.	3 0/ <u>1</u> 8/0
\$100.80.	OHIO PETRO-LEWIS 1 3 6 8 L.G. Worlick	CAM. 8 HED. 3 6 8/0 D.C. Hardy	GETTY 5 G 2 G B/O B/ S.t. Percy Hordy	6/8/0 St. S.L.S.L	SUN 2 8/0 8/0 State	0° 6 0/1° 5
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	CAMPBELL & HEDRICK		GETTY			
State	U.S.	G.L.Hordy	D. G. Hordy		Mary E. Won	12

→ LEGEND -

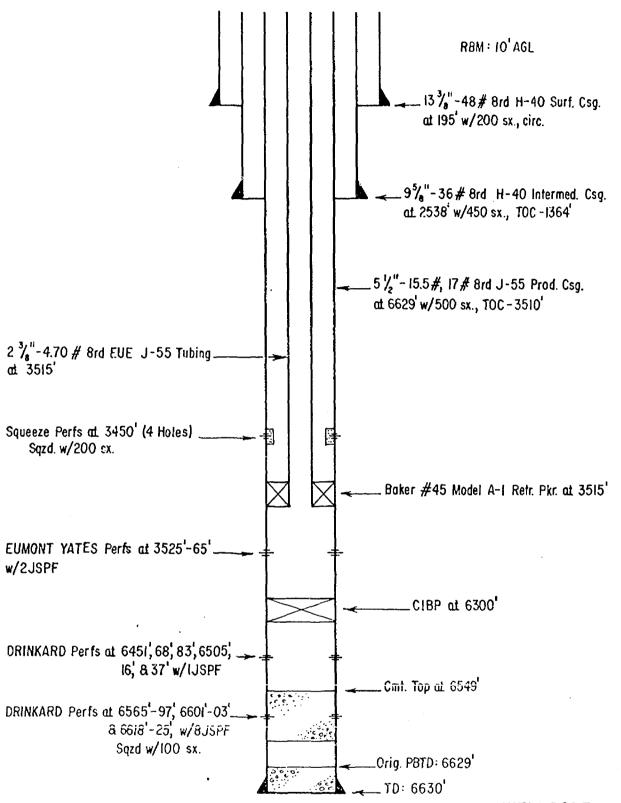
- E EUMONT GAS
- 6 GRAYBURG
- BLINEBRY
- O DRINKARD
- 7 TUBE OIL T TUBB GAS
- A ABO
- s.i. Shut In



SANTA FE, NEW MEXICO

NEW MEXICO ROBINZO

	APPLICATION FOR	MULTIPLE COMPLETION	2 Y	2 3 1379
Operator Continental Oil Company		County	OIL COS Date	/ATION DIVISION 79
Address Box 460, Hobbs, NM 88240		Lease Lockhart A-17 Township	Well' Rang	No. 15
Location Unit I	ection 17	21-S	, and	37-E
Has the New Mexico Oil Conservation same zones within one mile of the su If answer is yes, identify one such installations.	bject well? YES	NO X		•
3. The following facts are submitted:	Upper Zone	Intermedia Zone	ate	Lower Zone
a. Name of Pool and Formation	Eumont Queen Gas	s		Blinebry
b. Top and Bottom of				
Pay Section	3525	l l		5556
(Perforations)	3565			5948
c. Type of production (Oil or Gas)	Gas			0i1
d. Method of Production				
(Flowing or Artificial Lift) 4. The following are attached. (Please r	Flowing			Artificial Lift
have been furnished copie Yes d. Electrical log of the well of thereon. (If such log is not so that all offset operators to the lease of Amerada Hess Corp., Box 8 Amoco Production Co., Box Getty Oil Co., Box 730, 8 Sun Production Co., Box	s of the application.* or other acceptable log with available at the time application which this well is located 340, Siminole, Textox 3092, Houston, The Hobbs, New Mexico	tops and bottoms of production is filed, it shall be sed together with their correct as 79360 exas 77001	ing zones and ubmitted as pro t mailing addre	ovided by Rule 112-A.)
CERTIFICATE: 1, the undersigned, s	22, 1979 tate that I am the Admin any), and that I am authoriz	istrative Superviso	er of the Cont	cinental Oil Company
under my supervision and direction and th	at the facts stated therein	They G. 7	- Υ • • • • • • • • • • • • • • • • • •	A 6 #1
* Should waivers from all offset op- Commission will hold the applica after said twenty-day period, no p NOTE: If the proposed multiple complete the producing zones, then separa cc: MOCD (5); USGS (2); N	tion for a period of twenty protest nor request for hear on will result in an unortho	(20) days from date of receiving is received by the Santa	pt by the Comm Fe office, the non-standard pr	ission's Santa Fe office. If, application will then be processed costion unit in either or both of

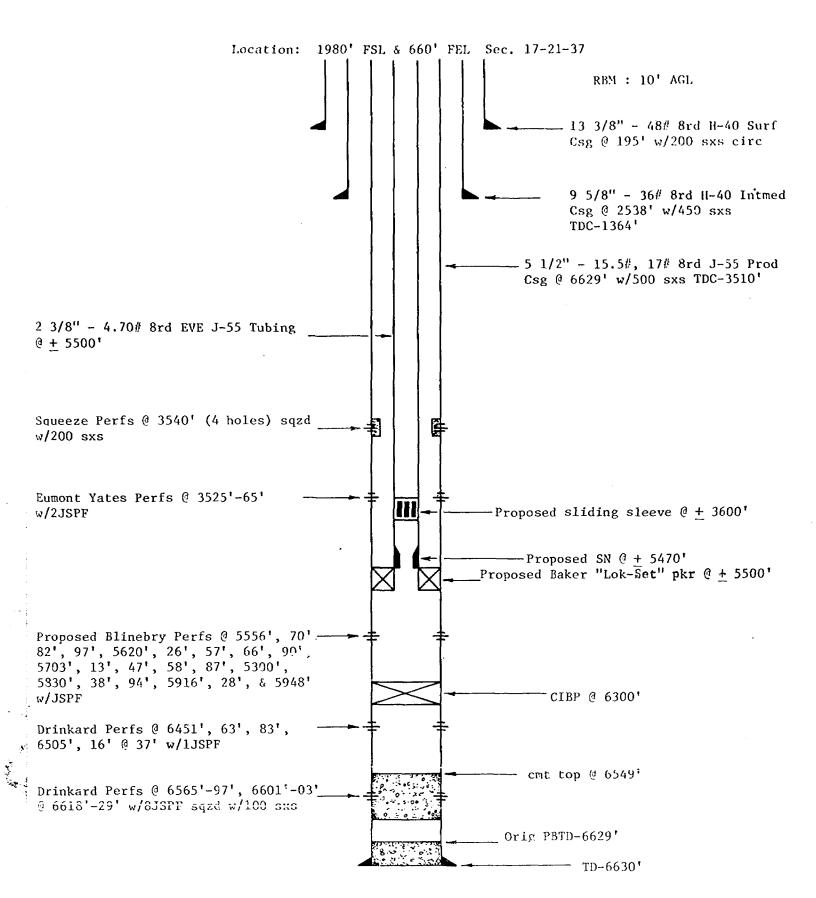


PRESENT

WELLBORE DIAGRAM LOCKHART A - 17 No. 2 1980' FSL & GGO' FEL SEC. 17, T2IS, R37E

LEA COUNTY NEW MEXICO

LPS 3-1-79



PROPOSED WELLBORE DIAGRAM LOCKHART A-17 NO. 2

4-18-79

CAMPBELL & HEDRICK N.M.EU. | N.M.EU .- | SOUTHLAND ROYALTY 9 Hoo F. Curde TEXAS C.B.READ to 6500' C.E.ALKMAN GULF J. W. Owen Eula L. Alexander AMERADA PENROSE (GULF) GETTY State H.T. Mattern SHELL GETTY [N.M.E.U.]7 HARRY LEONARD 16 SOHIO TEXACO AMOCO 18 EL PASO GULF 3 6 6/0/1 8/0 State GULF 6/8/0 6/8/0 8/D 6 · 5 8/0 G/B/T....l 2 Ds.i. Lockhart "A 8/0 PETRO-LEWIS оню CAM. 8 HED. 8/D 8/D 6 D/I 5 5.1 D/A 8 8/0 State State L.G. Worlick D.C. Hardy PETRO-LEWIS 19 GULF SUNRAY CAMPBELL & HEDRICK ARCO 20 N. B. HUNT sun 21 6/8/0 s.i. u.s. G/0/T E/G/B W. E. Lee CAM & HED. PETRO-LEWIS PETRO-LEWIS PETRO-LEWIS PETRO-LEWIS 8/D E E 8/0 8/0 Weatherly GULF AMOCO GULF MARATHON CONTINENTAL 6/0 6/8/0 0 L.G. Warrick GETTY CAMPBELL & HEDRICK State U.S. G.L.Hardy D.G. Hardy Mary E. Wantz

-*LEGEND-

- EUMONT GAS
- GRAYBURG
- BLINEBRY DRINKARD
- TUBB CIL
- TUBB GAS
- A80
- s.i. Shut In

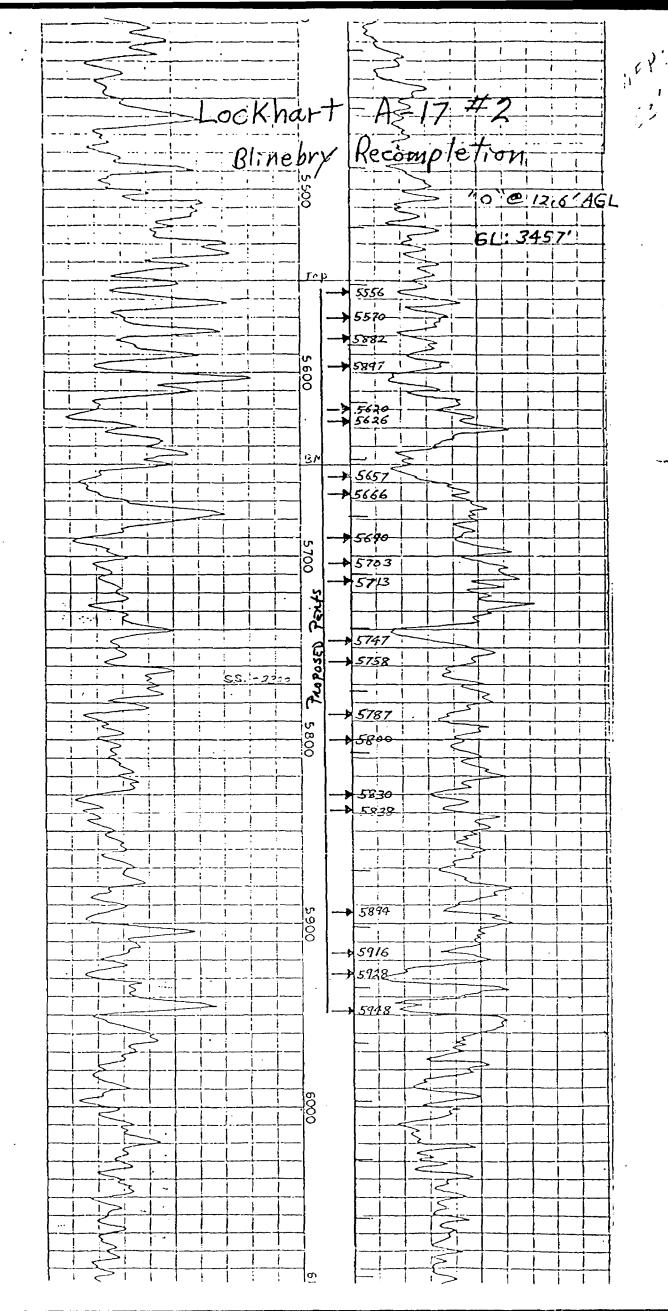


PRODUCTION DEPARTMENT

HOBBS DIVISION

LEA COUNTY, NEW MEXICO

LOCKHART A-I7 LEASE

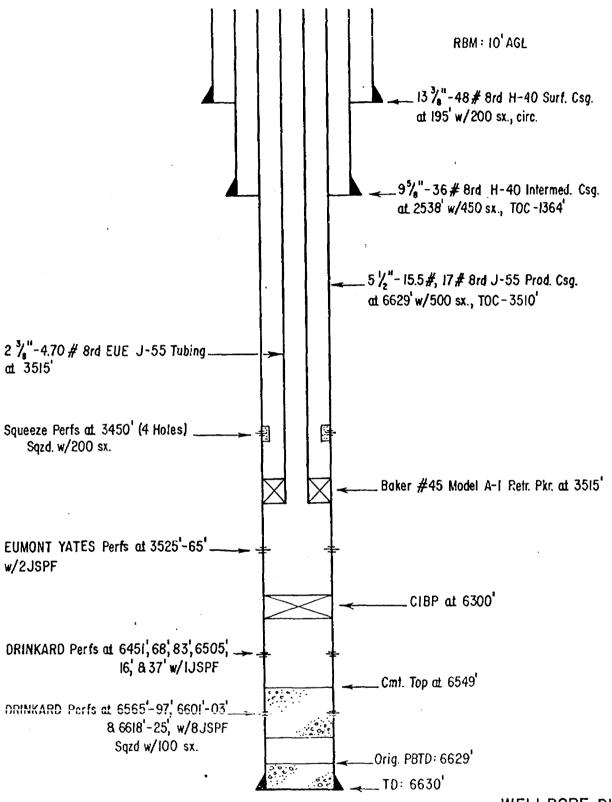


NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION

Operator		County	Date .
Continental Oil Company		Lea	May 22, 1979
Address		Lease	Well No.
Box 460, Hobbs, NM 88240 ocation Unit So	ection To	Lockhart A-17	Range
or Well I	17	21-8	37-Е
			letion of a well in these same pools or in the
same zones within one mile of the su	bject well? YESN	0 <u>X</u>	
2. If answer is yes, identify one such ins	itance: Oidei No.	; Operator, Lea	se, and Well No.:
3. The following facts are submitted:	Upper Zone	Intermedi Zone	ate Lower Zone
Nov. (Dalas I Paris)	Eumont Queen Gas		Plinch
a. Name of Pool and Formation b. Top and Bottom of	Edillott Queen Gas		Blinebry
Pay Section	3525		5556
(Perforations)	3565		5948
c. Type of production (Oil or Gas)	Gas		Oil
d. Method of Production			
(Flowing or Artificial Lift)	Flowing		Artificial Lift
i. The following are attached. (Please r	nark YES of NO)		
have been furnished copies. Yes d. Electrical log of the well of	s of the application.* or other acceptable log with to available at the time application which this well is located 340, Seminole, Texas	ops and bottoms of production is filed, it shall be stogether with their correct 79360	tien thereof, evidence that said offset operators cing zones and intervals of perforation indicated submitted as provided by Rule 112-A.) it mailing address.
Amoco Froduceron dor, box	v 3072, Rouston, 1ex	43 77001	
Getty Oil Co., Box 730, I	Hobbs, New Mexico 88	3240	
Sun Production Co., Box 2	2880, Campbell Centr	e, Dallas, Texas	75221
			
6. Were all operators listed in Item 5 abo of such notificationMay	ove notified and furnished a co 22, 1979	opy of this application?	YES X NO
			or of the Continental Oil Company
(comps ander my supervision and direction and th			this report; and that this report was prepared
my supervision and direction and th	at the racts stated therein at	e tiue, correct and comple	te to the best of myxhowledge.
		Why Q. 7.	The Manhada
		Com 100 100 100 100 100 100 100 100 100 10	Signature
Should waivers from all offset op	etators not accompany an app	lication for administrative	e approval, the New Mexico Oil Conservation
			pt by the Commission's Santa Fe office. If,
after said twenty-day period, no p	protest nor request for hearing	g is received by the Santa	Fe office, the application will then be processed
NOTE: If the proposed multiple completi	on will result in an unorthodo	x well location and/or a	non-standard proration unit in either or both of
the producing zones, then separa cc: NMOCD (5); USGS (2); N	te application for approval of MFU (4): File (1)	the same should be filed	simultaneously with this application.

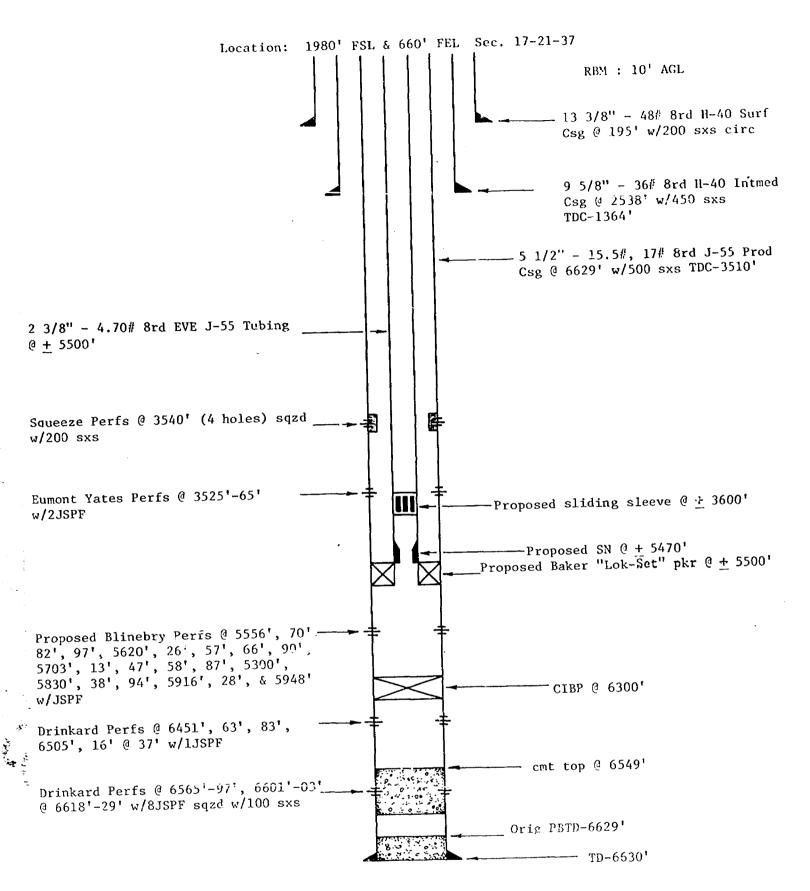


PRESENT

WELLBORE DIAGRAM LOCKHART A - 17 No. 2 1980' FSL & 660' FEL SEC. 17, T21S, R37E

LEA COUNTY NEW MEXICO

LPS 3-1-79



PROPOSED WELLBORE DIAGRAM LOCKHART A-17 NO. 2

CAMPBELL & HEDRICK SOUTHLAND ROYALTY Q N.M.EU. AMOCO Mae E Currie TEXAS C.B.READ to 6500' C.E.ALKMAN J. W. Owen Eula L. Alexander PENROSE (GULF) AMERADA GETTY SHELL GETTY HARRY LEONARD SOHIO TEXACO (N.M.F.U.-17) AMQCO 18 EL PASO 3 GULF 8/0 3 6 ,6/0/1 State GULF 6 8/0 8/0 W.W.Weatherly H.Z Mattern State DA TPC.BO. оню PETRO-LEWIS CAM. & HED. L.G. Worlick B/D S.I. Percy / 8/D 6 D/I 5 5.1 D/A 8 *B/D* 8/0 State D.C. Hardy State PETRO-LEWIS 19 SUN 21 GULF SUNRAY CAMPBELL & HEDRICK 5 ARCO 20 N. B. HUNT 6 0 D/T 8 6/8/D s.L. 3 B/D G/0/T E/G/B us. W. E. Lee PETRO-LEWIS PETRO-LA 4 E/6 B/D Rahdle CAM. 8 HED. PETRO-LEWIS PETRO-LEWIS PETRO-LEWIS 6 8/0 8/0 Weatherly GULF AMOCO GULF MARATHON CONTINENTAL G/8/0 6/D L.G. Warrick CAMPBELL & HEDRICK GETTY Sinte U.S. G.L.Hordy D. G. Hordy Mary E. Wants

- LEGEND -

- E EUMONT GAS
- G GRAYBURG
- 8 BLINEBRY
 DRINKARD
- T TUBB OIL
- T TUBB GAS
- A ABO
- S.i. Shut In

(conoco

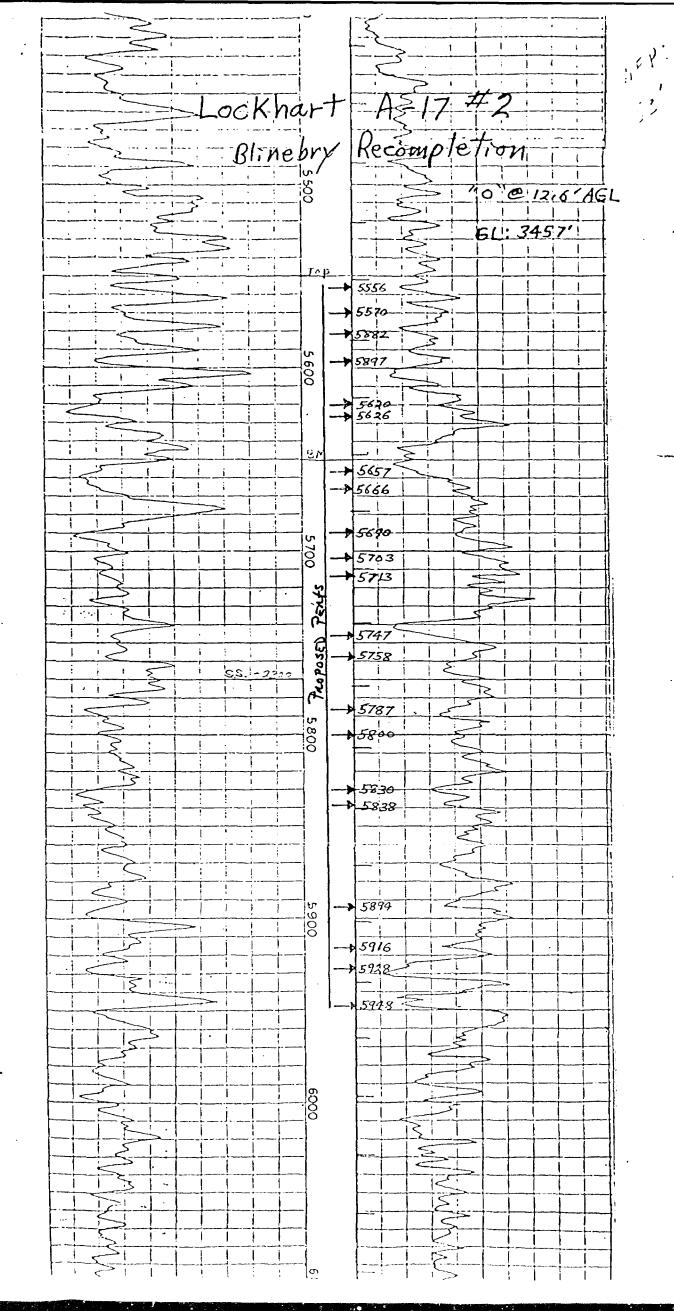
PRODUCTION DEPARTMENT

HOBBS DIVISION

LEA COUNTY, NEW MEXICO

LOCKHART A-17 LEASE

5CALE 0' 1000' 2000



STATE OF NEW MEXICO ENERGY AND MINERALS DEFARCED TO OIL CONSERVATION DIVISION

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

CASE NO. 6569
Order No. R- 604/
APPLICATION OF CONTINENTAL OIL COMPANY
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
June 13 , 1979 , at Santa Fe, New Mexico, before
Examiner Daniel S. Nutter
NOW, on this day of June , 1979 , 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, Continental Oil Company
seeks authority to complete its Lockhart A-17 Well No. 2
XXXXXXXX , located in Unit I of Section 17 , Town-
ship 21 South , Range 37 East , NMPM, Lea
County, New Mexico, as a dual expletion (conventional) to (conbination) (tubingless)
Loil produce gas from the Eumont Gas Pool through the casing-tubing
annulus and oil from the Blinebry Oil and Gas Pool through tubin
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(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices... That approval of the subject application will prevent waste and protect correlative rights. IT IS THEREFORE ORDERED: (1) That the applicant, Continental Oil Company , is hereby authorized to complete its Lockhart A-17 Well No. 2 , located in Unit I of Section 17 , Township 21 South , Range 37 East , NMPM, Lea County, New Mexico, as a dual completion(conventional) (tubing/ess) to produce gas from the Eumont Gas Pool through the casing-tubing annulus and oil from the Blinebry Oil and Gas Pool through 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 pasker leakage tests upon completion and annually thereafter during the Annual Gas-Liquid Kalio Munley Oil and go Test Period for the Drink (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.