CASE 7067: CONOCO INC. FOR A DUAL COM-PLETICM, EDDY COUNTY, NEW MEXICO

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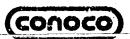
Carrie in Carrie 12 This section of the continues

CASE NO.

7067

APPIICATION,
Transcripts,
Small Exhibits,

ETC.



Mark K. Mosley
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc. P. O. Box 480 726 E. Michigan Hobbs, NM 88240 (505) 393-4141

Uctober 11, 1982

New Mexico 0.1 Conservation Division P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. Dan Nutter

Gentlemen:

Order R-6514, dated November 6, 1980

OIL CONSENSANTA SE

On October 29, 1980, Conoco Inc. requested permission to dually complete its Dagger Draw Com Well No. 4 in Unit), Section 25, T-198, R-24E, Eddy County, New Mexico, by Case No. 7067. An order (R-6514) was subsequently issued by the NMOCD, approving this request.

Because Conoco Inc. was unable to obtain title to the acreage involved, we now request that the subject order be cancelled. It is our intent to drill the Dagger Draw Com Well No. 4 in Unit L, Section 19, T-198, R-25E, Eddy County, New Mexico, as a Cisco single completion.

Yours very truly,

Memosky

HAI:mhe

2 MR. NUTTER: We'll call Case 7067. MR. PEARCE: Application of Conoco, Inc. 4 for dual completion, Eddy County, New Mexico. 5 MR. KELLAHIN: Tom Kellahin of Santa Fe, 6 New Mexico, appearing on behalf of the applicant, and I have 7 one witness to be sworn. 8 9 10 (Witness sworn.) 12 RANDALL DARR 13 being called as a witness and being duly sworn upon his cath, 14 testified as follows, to-wit: 15 16 DIRECT EXAMINATION 17 BY MR. KELLAHIN: 18 19 Mr. Darr, would you please state your 20 name and occupation? 21 My name is Randall Darr and I work for 22 Conoco, Incorporated, in Hobbs, New Mexico, as an area 23 engineer for the Dagger Draw Area. 24 Do you spell your last name D-A-R-K? 25 Yes, that's correct. 26 Mr. Darr, have you previously testified 27 28 before the Division as an engineer?

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2	
3	Draw Field.
	0 And this well has not yet been drilled,
	has it?
5	A No, it is a proposed well.
6	Q Would you refer to Exhibit Number One
7 8	and identify that for us?
9	A. Exhibit One is a well location and
10	acreage dedication plat for the Dagger Draw Com Well No. 4.
11	Conoco wishes to drill and
12	MR. NUTTER: Tom, do we have some exhibi-
13	
14	MR. KELLAHIN: I'm sorry.
15	A Okay, Exhibit Number One is a well loca-
16	tion and acreage dedication plat for the Dagger Draw Com Well
17	No. 4. Conoco wishes to drill and dually complete this well
18	in the North Dagger Draw Upper Penn and undesignated Morrow
19	Pools, at a standard location 1980 feet from the south line
20	[25] 하늘 [18] [18] [18] [18] [18] [18] [18] [18]
21	and 1650 feet from the east line of Section 25, Township 19
22	South, Range 24 East in Eddy County.
	Q Excuse me, the spacing for the Morrow
23	portion of the well is 320 acres?
24	막 집 사람들은 사람들이 가는 사람들이 되었다. 그 얼마나 얼마나 나를 살아 없는 것이 없다.
25	表表
26	Q And your Cisco dedication is on
27	A 160.
28	0 160 acres? All right, sir.

36 t 44 2 2 2 2 3 4 1 1 1 1 1 2 2 2

And, let's see --Exhibit Number Two, why don't you tell us what that is? Okay. Exhibit Number Two is an area map showing the location for the Dagger Draw Well in relation to the other wells in the area. This will be the first dually completed well in either of these reservoirs. All right, sir, Exhibit Number Three. Exhibit Three is an application for multiple completion, showing the estimated depths of the Cisco and Morrow formations. These are estimated depths based on other wells in the area and structure and Isopach maps to be introduced later. All right, sir, Exhibit Number Four. Exhibit Four is a schematic of the downhole equipment planned for this well. It shows all of the casing strings, setting depths, cementing data, packer, proposed perforations, and et cetera. 22 The procedure complies with the standards set by the NMOCD. We feel that it is sufficient to provide separation between the two zones. Were there any particular problems with this dual completion? The only problem we foresee is the high

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2	water volumes produced from the Cisco and the corrosive nature
3	of the Cisco formation in this area.
4	U How do you propose to imitate the cor-
	rosive nature of the Cisco formation gas?
6	A The string of tubing to produce the
 	Morrow formation through will have 2-3/8ths inch C-75 CSCB
8	
9	high drill exterial exterially monel-coated blast joint
10	across the Cisco perforations.
11	And what about your tubing?
12	A It will be internally plastic-coated,
13 14	on both formations, both tubing strings.
15	Q Talk about the Cisco gas being corrosive
16	In what way?
17	A The Cisco is highly corrosive due to the
18	sour nature of the the gas production in this area. It has
19	a high H ₂ S content.
20	0. In your opinion as an engineer, are the
21	proposed methods of completion of this well adequate to pro-
22	test the well and its equipment from corrosion?
23	A. Yes, I feel that the blast joint will
24	사용하는 사용하는 사용이 되는 것이 사용하는 하는 사용을 받는 것이 없는 것이 없다. 사용하는 것이 되었다.
25	sustain a life of in excess of twenty years.
26	Q You indicated high volumes of water
27	produced out of the Cisco, was it?
28	Yes. Ves. 1 Yes. 1 Yes

	1	
	1	* 8
	2	All right, how are you going to handle
18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	the water?
	4 2	A We have two disposal wells operating in
1	5	this area, and we have, we feel, sufficient capacity to handle
	6	
	7	the water volumes.
	8	Q Tall me how you're going to produce the
	9	Morrow?
	10	A The Morrow will be produced naturally
	11	and hopefully flow, be relatively dry, sweet gas.
	12	있는 B 경쟁 시간 그를 하면 하고 있는 네티었다. 이 제품 시청약을 받는 것 같아. HERR 하고 있다.
	13	Do you have any pressure information on
		the Morrow formation?
	14	A. We have some estimated pressures in the
	15	area and
	16	Q On what are those estimates based?
	17	기계 전문 등 경기 시간 전문 기계 전환 경기 기계
	18	A. Wells, recently drilled wells in the area
취용 (1) 설명 전 (1) 이동이 함 상태 경기를 가능하는 기가 있는 것	19	and other wells that we have drill stem tests off of.
	20	Ω Do you have an estimate of the pressure
	21	to be encountered in the Morrow formation at this depth?
	. 22	A. We are estimating between 4000 and 4500
	23	
	24	교실로 하시다. 경기 사용하는 경기 등 전 기업 기업 기업 전체 기업
	25	Q What, if any, pressure information do
	26	you have on the Cisco formation?
	27	A We have pressure build-up build-ups
	28	on our Dagger Draw No. 1 Well, which is shown on the next ex-
		어로 하는 사람들은 사람들이 가는 것이 되었다. 이번 경우 이번 경우 전에 가는 것이 되었다. 그는 것이 되었다. 그런 경우 전체적으로 함께 하는 것이 되었다. 그런 것이 되었다. 그런 것이 되었다. 사람들이 보고 있는 것이 되었다. 그는 것이 되었다. 그런 것이 되었다. 그런 사람들이 보고 있는 것이 되었다. 그는 것이 되었다. 그런 것

2 hibit, which is a structure map on the Cisco, and our Dagger Draw 1 is located in the northwest of the northwest of Section 30 of Township 19 South, 25 East, and its pressure build-up is in the range of 1700 psi. What do you anticipate to be the pressure 7 differential between the two zones? 8 9 Approximately 2300 to 2800 psi. 10 Is the wellbore equipment and the packer 11 that you anticipate installing adequate to handle that type 12 of pressure differential? 13 Yes, it is. . 14 Would you turn to Exhibit Number Five 15 and identify that? 16 Exhibit Number Five is a structure map 17 on the top of the Cisco formation and in this area we feel 18 19 that structure is -- plays a relatively small significance 20 in the production from these formations. 21 The nearest Cisco well to which you've 22 just testified, is that well indicated on this exhibit in the 23 northwest corner of Section 30? 24 Yes, it is. 25 And what is the closest Morrow well? 26 27 The closest Morrow well would be the 28 D State, operated by Conoco, in Section 36, one mile directly

1		
2	south of the proposed we	ell.
3	Q	re there any other dual completed wells
	in the area?	
5	· · · · · · · · · · · · · · · · · · ·	nere is a dually completed Morrow-
6		
7	Atoka, I think it is.	
8		believe it's Strawn, isn't it?
9	A	Morrow-Strawn, yes, operated by Yates
10	Petroleum in Section 23	, and it is named the Roden "GD" Federal
11	No. 1.	
12	Q	khibit Number Five is a structure map
13	on top of the Cisco?	
-14		es, it is.
15	되었다.	n your opinion, Mr. Darr, does structure
16	회사중 하라는 것 같은 모임 모양했다	the production in either the Cisco or
17 4	실하다는 맛이 들었다. 이 하나면 하다.	· [2] - [4]
18	the Morrow formation he	
19	A. N	o, I feel it does not.
20	Q.	ll right, sir. Exhibit Number Six,
21	would you identify that	
22 23	A .	xhibit Six is a structure map on top
24	of the Pennsylvanian-Mi	ssissippian unconformity, which would
25	be the base of the Morr	ow in this area.
26		gain, is structure a significant factor
27		ations or productivity in in this
28		
	Morrow structure map?	

1	
2	No, I feel it is not.
3 	2 Exhibit dumber seven.
	A. Exhibit Number Seven is a Cisco Canyon
5	"B" Zone net porosity Isopach map, and I feel that an Isopach
7	of the Cisco defines the productive areas more precisely than
8	a structure map.
9	MR. NUTTER: Are these wells that are
<u>1</u> 0	clustered in Sections 17 and 18 up here Cisco wells?
11	A. Yes, they are. They're operated
12	MR. NUTTER: And you have this other
13	structure to the southwest of that and you've got one Cisco
14	well on it.
1 1 5 6 7	A. One producing Cisco well, that's right.
16	MR. NUTTER: The Dagger Draw No. 1.
17 18	A. Yes.
19	발표성() 전 12 : 발경 (2 : 1) (2 : 1) 전 (2 : 1) 전 (2 : 1) 전 (3 : 1
20	0. What's the purpose of this exhibit, Mr.
21	
22	A. We feel this shows more clearly our
23	purpose for drilling a well in this area, on this location.
24	Q Sir, Exhibit Number Eight.
25	A. Exhibit Number Eight is a Middle Morrow
26	gross sand Isopach map and it, again, I feel, shows more
27	clearly our reason for drilling the well at the proposed
28	location.

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1	12
2	Mr. Darr, were Exhibits One through
3	Right prepared by you or prepared under your direction and
	supervision?
5	
6	λ. Yes, they were.
7	Q And in your opinion will approval of
8	this application be in the best interests of conservation,
9	the prevention of waste, and the protection of correlative
10	rights?
11	A Yes, it really does.
12	MR. KELLAHIN: We move the introduction
13	
14	of Exhibits One through Eight.
15	MR NUTTER: Exhibits One through Eight
16	will be admitted in evidence.
17	
18	CROSS EXAMINATION
19	BY MR. NUTTER:
20	0 Mr. DArr, since this Cisco gas is so
21	[이용 및 10 전 : 10 전 10 전 : 1 [기용 및 10 전 :
22	sour, is there a pipeline in the vicinity that's prepared to
23	handle this type of gas?
24	A. Conoco operates an amine treating plant
25	in the area, and we treat the gas down to pipeline specifi-
26	cations.
27	Q I see, so you're treating your own gas.
28	A. Right. The other wells that you referre
	[聖화] 교통 1. 사용 보다 하나 가는 사람이 있다. 아무리는 사람이 생겨를 그리면 하는 함께 하는 이 지역 전환하다는 하는

to on	Exhibit Numb	ber Eight are also operated by Conoco, an	
3			
we pr	oduce gas and	d oil from these wells.	ستوفرها ستمط
	<u> </u>	This is the old	
6	λ.	Roger Hanks.	
7	Q	Roger Hanks wells.	
8		Yes.	
9	Q .	And you've acquired them from Roger	
10 Hanks	7		i de Nota
		Correct, year sir.	
12	Q	And you treat that gas and put It in	ı
13			
i4	peline?	요하는 보다 보고 있는데 보고 있는데 보고 있는데 보고 있는데 보고 있는데 보고 있다. "대한 화면 하는데 되었습니다" 보고 있는데 보고 있는데 하는데 보고 있는데 되었습니다.	
15		Now, the well that's immediately sou	ith
16 of yo	ur proposed v	well here, that Yates well, it's an Atoka	
17 well,	I believe,	isn't it?	
18		Yes, it is.	
19	Q	Do you know whether they had any Cis	co
20 In th	at well or no	ot?	
21		I personally have not looked at this	
22 10g.		el that they had Cisco production. If the	
23		마음 마음하는 이 등이는 이번 이 그들이 다음 마음을 경험하는 문문을 가능하는 것 15 15 15 15 15 15 15 15 15 15 15 15 15 1	
24 did,	it was very	shallow; not very extensive.	
25		MR. NUTTER: Are there any further	2.
26 quest	ions of Mr.	DArr? He may be excused.	
27	en e	Do you have anything further, Mr. Ke	1-
²⁸ lahin			

CERTIFICATÉ

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

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I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner licaring of Case No. 7067. heard by me on 10/29 1980.

Examiner OH-Conservation Division

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

BRUCE KING GOVERNOR LARRY KEHOE SECRETARY

Aztec OCD

Other

November 10, 1980

STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

		•	•	
Mr. Thomas Kellahin Kellahin & Kellahin Attorneys at Law Post Office Box 1769		CASE NO. ORDER NO.	7067 R=6514	2.2
Santa Fe, New Nex100	17.		en e	
		Connc	o Inc.	
Dear Sir:				
Enclosed herewith are two Division order recently e				ced
Pours very truly, JOE D. RAMEY Director				
JDR/fd				
Copy of order also sent to):			
Hobbs OCD x Artesia OCD x				

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

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

CASE NO. 7067 Order No. R-6514

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

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 s.m. on October 29, 1980, at Santa Fe, New Mexico, before Examiner Denies 5. Neither.

NOW, on this 6th day of November, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has forisdiction of this cause and the autient matter thereof.
- (2) That the applicant, Conoco Inc., seeks authority to complete its Dagger Draw Com Well No. 4, located in Unit J of Section 25, Township 19 South, Range 24 East, NKPM, Eddy County, New Mexico, as a dual completion (achieventional) to produce eil from the North Dagger Draw-Upper Penn Pool and gas from an undesignated Morrow pool through parallel strings of tubing with separation of the zones achieved by means of a packer set at approximately 8900 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.

Case No. 7067 Order No. R-6514

IT IS THEREFORE ORDERED:

(1) That the applicant, Conoco Inc., is hereby authorized to complete its Dagger Draw Com. Well No. 4, located in Unit J of Section 25, Township 19 South, Range 24 East, NMPH, Eddy County, New Hexico, as a dual completion (conventional) to produce oil from the Horth Dagger Draw-Upper Penn Pool and gas from an undesignated Morrow pool through parallel strings of tubing.

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

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual Cas Hell Shut-In Pressure Test Region for the Harrow gas zone.

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

DONE at Sante Fe, New Mexico, on the day and year herein-

STATE OF NEW MEXICO.
OIL CONSERVATION DIVISION

JOE D. RAMEY

SEAL

。 第18章 1886年第187日 [1886] [1887] [1887] [1887] [1887] [1887] [1887] [1887] [1887] [1887] [1887] [1887] [1887]

以高数据,是中国共和国的国际等的主要的信息的。 第二章

before the Division as an engineer?

Mr. Darr, have you previously testified

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		A	
	2	A. No, I have not.	
	3	Q Would you explain to Mr. Nutter when and	
Marketing and the second at the second	Andrew Control of the	where you obtained your degree in engineering?	,- -
	5	A. I graduated with a BS in petroleum en-	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	7	gineering from Montana Tech in December of 1978.	
	**************************************	Q Subsequent to graduation where have	
	•	you been employed in the capacity of a petroleum engineer?	
	10	I went to work fer Conoce-in-Habbe-in-	
		March of '79.	
	12.	Q Does your area of responsibility include	
	13	the preparation of exhibits and testimony for this case?	
	3 14	Yes, it does.	
	15 16	Q Have you done so?	
	17	o kurana araba an ang ata k alang pertambal y kac amatan an kalanda araba araba <u>an ang kalanda kabapat ba</u> b	
	18	MR. KELLAHIN: We tender Mr. Darr as an	
	19	expert petroleum engineer.	
	20	MR. NUTTER: Mr. Darr is qualified.	
	21	How do you spell your last name, please?	
	22 	D-A-R-R.	
	23	MR, NUTTER: Thank you.	
	24 25	Q What's Conoco seeking to accomplish by	
	26	this application?	
	27	A Exhibit we are seeking a dual comple-	
	28	tion of a Cisco-Morrow well in Eddy County in the Dagger	

2	Draw Field.
3	
	Q A.3 this well has not yet been drilled.
∯ . 	has it?
6	A. No, it is a proposed well.
7	9. Would you refer to Exhibit Number One
8 8	and identify that for us?
9	A. Exhibit One is a well location and
10	acreage dedication plat for the Dagger Draw Com Well No. 4.
n	Conoco wishes to drill and
12	MR. NUTTER: Tom, do we have some exhibits?
13	MR. KELLAHIN: I'm sorry.
) 14	
15	A. Okay, Exhibit Number One is a well loca-
16	tion and acreage dedication plat for the Dagger Draw Com Well
	No. 4.— Conoco wiches to drill and dually complete this well
18	in the North Dagger Draw Upper Penn and undesignated Morrow
l9	Pools, at a standard location 1980 feet from the south line
20	and 1650 feet from the east line of Section 25, Township 19
21	South, Range 24 East in Eddy County.
22	Q. Excuse me, the spacing for the Morrow
23	portion of the well is 320 acres?
24	A That's correct.
25	
26	And your Cisco dedication is on
27	A Is 160,
28	Q 160 acres? All right, sir.

1	6
2	A And, let's see
3	Q Exhibit Number Two, why don't you tell
-1	us what that is?
5	A. Okay, Exhibit Number Two is an area
6 7	map showing the location for the Dagger Draw Well in relation
8	to the other wells in the area. This will be the first dually
9	completed well in either of these reservoirs.
10	Q All right, sir, Exhibit Number Three.
2.6.4.1.1. 1.1	A. Exhibit Three is an application for
12	multiple completion, showing the estimated depths of the
13	Cisco and Morrow formations. These are estimated depths based
24	on other wells in the area and structure and Isopach maps
15	to be introduced later.
16 17	Q All right, sir, Exhibit Number Four.
17 18	A Exhibit Four is a schematic of the down-
19	hole equipment planned for this well. It shows all of the
20	casing strings, setting depths, cementing data, spacker, pro-
21	[하는데 그렇게 다리 교회 요마를 들어보고 요즘 하나 이렇게 됐다. 하루바라 사고, 사람이 나를 받는다.
22	posed perforations, and et cetera.
23	The procedure complies with the stand-
24	ards set by the NMOCD. We feel that it is sufficient to
25	provide separation between the two zones.
26	Q Were there any particular problems with
27 .	this dual completion?
28	A. The only problem we foresee is the high

		7
* : * !	2	water volumes produced from the Cisco and the corrosive nature
	3	of the Cisco formation in this area.
	4	2. How do you propose to handle the cor-
	5	rosive nature of the Cisco formation gas?
	7	A. The string of tubing to produce the
	8	Morrow formation through will have 2-3/8ths inch C-75 CSCB
	9	high drill exterial exterially monel-coated blast joint
	10	across the Cisco perforations.
	1.0	μ. And what about your tubing?
	12	A. It will be internally plastic-coated,
	13	on both formations, both tubing strings.
d	14	ρ Talk about the Cisco gas being corrosive
	15	in what way?
	16 17	A. The Cisco is highly corrosive due to the
	18	sour nature of the the gas production in this area. It has
	19	a high H ₂ S content.
	20	Q In your opinion as an engineer, are the
	21	proposed methods of completion of this well adequate to pro-
	22	tect the well and its equipment from corrosion?
	23	A Yes, I feel that the blast joint will
	24	sustain a life of in excess of twenty years.
	25	Ω You indicated high volumes of water
	26	produced out of the Cisco, was it?
U	27 28	A. Yes.

	Î	•	
~	1		**************************************
<i>\$</i>	2	Q.	All right, how are you going to handle
	3	the water?	
<u>22 - 23 - 25 - 3</u> 25 - 3 - 3 (5)	4	A.	We have two disposal wells operating in
and the second s		this area, and we ha	ve, we feel, sufficient capacity to hand]
	6	the water volumes.	
	8.7	Q	Tell me how you're going to produce the
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	10		The Morrow will be produced naturally
	11	and hopefully flow,	be relatively dry, sweet gas.
	12	Q	Do you have any pressure information of
	13	the Morrow formation	
)	14		We have some estimated pressures in th
	15	area and	
	16		On what are those estimates based?
	17		가 많이 되는 것이 되는 것이 되는 것도 싶으면 이 전상에 가게 함께 되었다. 기술을 모습했다. 그
	18		Wells, recently drilled wells in the ar
	19	and other wells that	we have drill stem tests off of.
	20]	Do you have an estimate of the pressur
	21	to be encountered in	the Morrow formation at this depth?
	22		We are estimating between 4000 and 450
	23	psi.	
	24		What, if any, pressure information do
	25	ajaga in Jamina Q rayang. Bankasa ing padakan 1874	나는 그렇게 되었다. 그는 것이 하는 이를 보고 하였다.
	26	you have on the Cisc	co formation?
)	27	A.	We have pressure build-up build-ups
	28	on our Dagger Draw	No. 1 Well, which is shown on the next ex

\sim	1	. 9
	2	hibit, which is a structure map on the Cisco, and our Dagger
	3	Draw l is located in the northwest of the northwest of Section
		30 of Township 19 South, 25 East, and its pressure build up
	5	is in the range of 1700 psi.
	6	Q What do you anticipate to be the pressur
	7	differential between the two zones?
	8	
	9	[1] 그 보고 보고 있는 사람들이 되었다. 그런 사람들은 그런 그를 보고 있는 것이다.
	10	Q Is the wellbore equipment and the packer
	11	that you anticipate installing adequate to handle that type
	12	of pressure differential?
	13	A. Yes) it is.
	14	Q Would you turn to Exhibit Number Five
	15	and identify that?
	1 6 17	A Exhibit Number Five is a structure map
	18	on the top of the Cisco formation and in this area we feel
	19	that strugture is plays a relatively small significance
	20	in the production from these formations.
	21	Q. The nearest Cisco well to which you've
	22	just testified, is that well indicated on this exhibit in the
	23	[발문사용] : [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
	24	northwest corner of Section 30?
	25	n think as the A.A. The five fives, with is, the second of the life is the second of t
	26	Q. And what is the closest Morrow well?
()	27	A The closest Morrow well would be the
	28	D State, operated by Conoco, in Section 36, one mile directly
a emergran menambih 🚣		

1	1.1
2_	No, I feel it is not.
3	Q Exhibit Number Seven.
	A Exhibit Number Seven is a Cisco Canyon
5	"B" Zone net porosity Isopach map, and I feel that an Isopach
6 7	of the Cisco defines the productive areas more precisely than
8	a structure map.
	MR. NUTTER: Are these wells that are
9	
10	clustered in Sections 17 and 18 up here Cisco wells?
11	A. Yes, they are. They're operated
12	MR. NUTTER: And you have this other
. 13	structure to the southwest of that and you've got one Cisco
14	well on it.
15	
16	
17	MR, NUTTER: The Dagger Draw No. 1.
18	The state of the A. The Yes, the state of th
19	Q What's the purpose of this exhibit, Mr.
20	Darr?
21	A. We feel this shows more clearly our
22	purpose for drilling a well in this area, on this location,
23	Q Sir, Exhibit Number Eight.
24	마이트 보고 있는 것이 되었다. 그는 사람들이 되는 것으로 되었다. 그런 사람들이 되었다. 그런 사람들이 되었다. 그런
25	A Exhibit Number Eight is a Middle Morrow
26	gross sand Isopach map and it, again, I feel, shows more
27	clearly our reason for drilling the well at the proposed
28	location.
	[2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2] : [2]

12 2 Mr. Darr, were Exhibits One through 3 Eight prepared by you or prepared under your direction and AND STREET AND ADDRESS OF THE ADDRES supervision? 5 Yes, they were. 6 And in your opinion will approval of 7 this application be in the best interests of conservation, 8 9 the prevention of waste, and the protection of correlative 10 rights? 11 Yes, it really does.___ 12 MR. KELLAHIN: We move the introduction 13 of Exhibits One through Eight. 14 MR. NUTTER: Exhibits One through Eight 15 Will be admitted in evidence. 16 17 CROSS EXAMINATION 18 19 BY MR, NUTTER: 29 Mr. DArr, since this Cisco gas is so 21 sour, is there a pipeline in the vicinity that's prepared to 22 handle this type of gas? 23 Conoco operates an amine treating plant 24 in the area, and we treat the gas down to pipeline specifi-25 cations. 26 27 I see, so you're treating your own gas. 28 Right. The other wells that you referred

	•	
		13
· • • • • • • • • • • • • • • • • • • •	2	to on Exhibit Number Eight are also operated by Conoco, and
ning. Ngjaran nganggan ngganggan kalab	3	we produce gas and oil from these wells.
Company of the second s		This is the old
	5	
	6	A. Roger Hanks.
		Q Roger Hanks wells.
	8	A. Yes.
	9	O. And you've acquired them from Roger
	10	Hanks?
	11	A. Correct, yes, sir.
	12	And you treat that gas and put it in
	13	the pipeline?
		Now, the well that's immediately south
	15 (A)	
	16	or your proposed well here, that Yates well, it's an Atoka
	17	well, I believe, isn't it?
	İß	$oldsymbol{\lambda}$. Yes, it is,
	19	ρ Do you know whether they had any Cisco
	20	in that well or not?
	21	A. I personally have not looked at this
	22	log. I do not feel that they had Cisco production. If they
	23	
	24	did, it was very shallow; not very extensive.
	25	MR. NUTTER: Are there any further
	26	questions of Mr. DArr? He may be excused.
) 27	Do you have anything further, Mr. Kel-
	28	lahin?

10

CERTIFICATE

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

Josey W. Boyd C.S.E.

24

25

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7067 heard by me on 10/29 1980.

Oil Conservation Division

Certificale lie

NEW MEXICO OIL CONSERVATION COMMISSION FILL OCATION AND ACREACE DEDICATION DE AT

Form C-102 Supersedes C-128

WELL LOCATION AND ACREAGE DEDICATION PLAT Effective 1-1-65 All distances must be from the outer boundaries of the Section. Operator Well No. Conoco Inc Dagger Draw Unit Letter Township County 19 South Eddy Ground Lovel Elavi Dedicated Acreages Producing Formation C18CO No. Dagger Draw Upper Penn. Undesignated Cemetery Morro 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. Il more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-**CERTIFICATION** I hereby certify that the information c tained herein is true and complete to best of my knowledge and belief. ٠٠ Hugh A. Ingran Conservation Coordinator Morrow Proration Unit CONOCO Cisco Proration Unit knowledge and belief. Date Surveyed Sept Registered Prof and/or Land Surve

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1320 1650

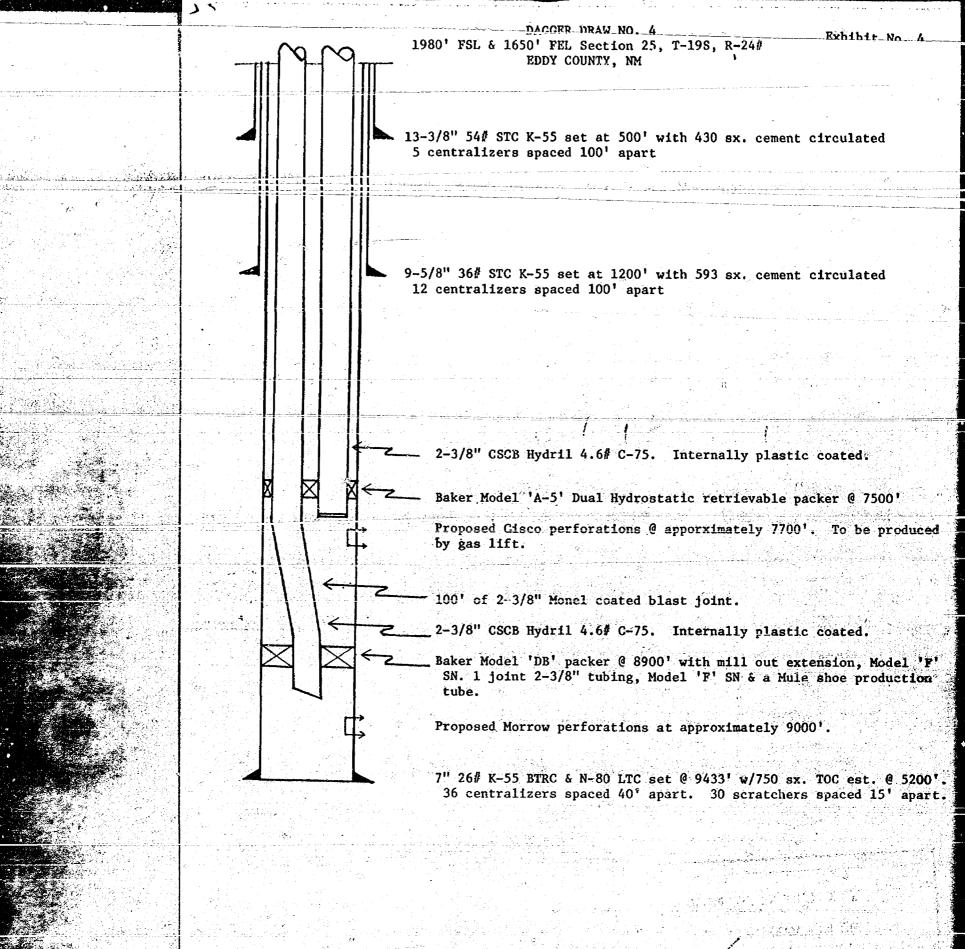
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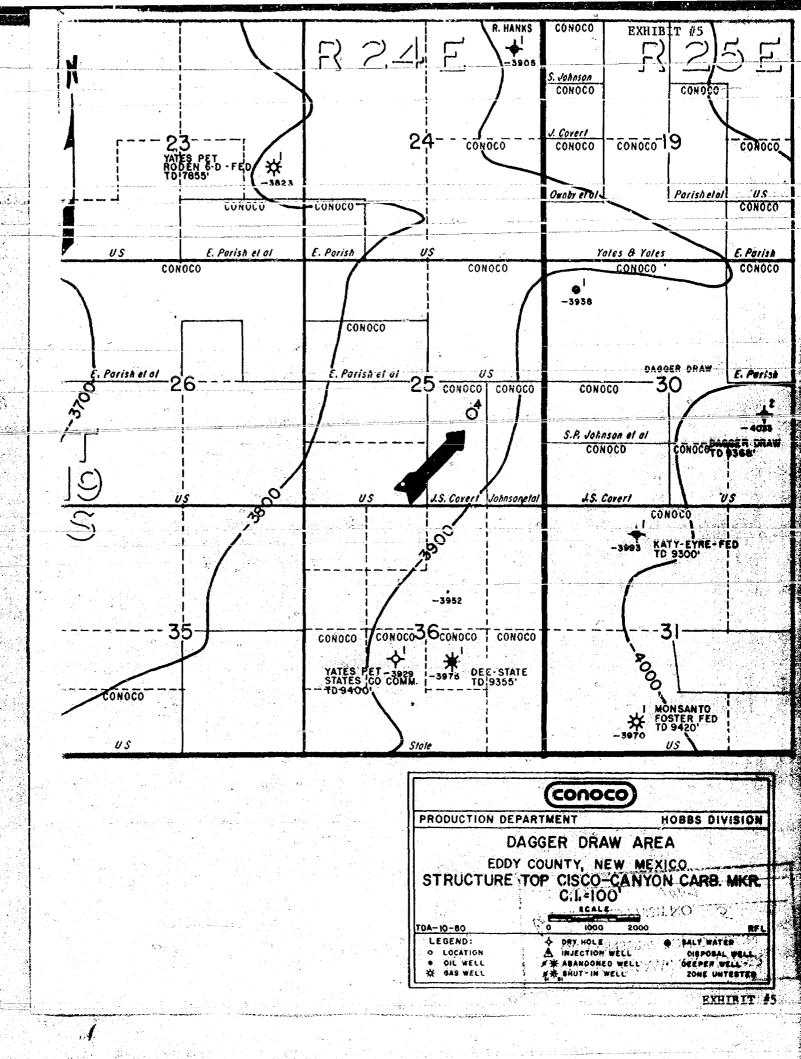
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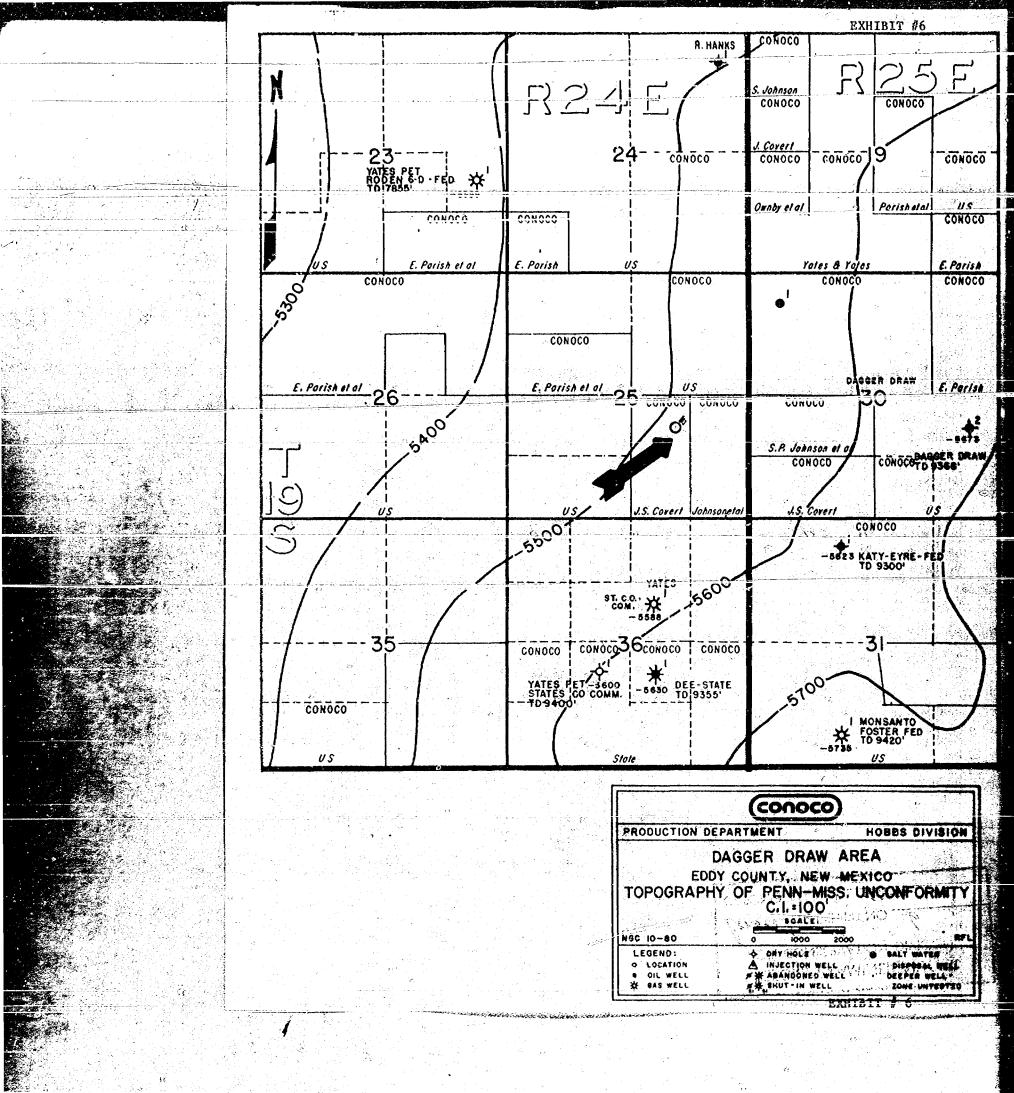
NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

Operator Conoco Inc.			County Eddy		Date October 1, 1980		
Address D. O. Port A60 Web!	P.O. Box 460 Nobbe. NM 88240		Lesses		WELL AND STREET, A		
10	ction	Township	Dagger Draw Com.	Range	4		
Location Unit or Well J	25	ZOWNSHIE	198	ion a Re	24E		
1. Has the New Mexico Oil Conservation	the same of the sa	uthorized		f a well is			
same zones within one mile of the sul	oject well? YES	NO X	•				
2. If answer is yes, identify one such ins			; Operator, Lease, and	Well No.			
3. The following facts are submitted:	Upper Zone		Intermediate Zono		Lower Zone		
a. Name of Pool and Formation	Cisco				Morrow		
b. Top and Bottom of Pay Section	(Est.) 7540'- 80	501			(Est.)8750' - 9120		
e. Type of production (Oil or Cas)	511				oae .		
d. Method of Production (Flowing or Artificial Life) 4. The following are attached. (Please n	artificial lift	1/2		i,	flowing		
have been furnished copies	tting applicant's lease, a multiple completion from s of the application. * r other acceptable log wit available at the time appli	each olfs h tops and cation is	et operator, or in lieu the bottoms of producing zor filed, it shall be submitte	reof; evid nes and in d as prov	ence that said offset operators tervals of perforation indicated ided by Rule 112—A.)		
Yates Petroleum				plant of several			
207 S. 4th	₹s						
Artesia, New Mexic	o 88210						
6. Were all operators listed in Item 5 abo of such notification		•			If answer is yes, give dat		
CERTIFICATE: I, the undersigned, as CONOCO INC. (compa under my supervision and direction and the	ny), and that I am authorize	ed by sai		port; and	bbs Division that this report was prepared		
and discript and the	THE INC. SERVED THE COLOR	erc ctac'	Solvett and complete to the	1112	M.C.		
Should waivers from all offset ope Commission will hold the applica- after said twenty-day period, no p NOTE: If the proposed multiple completi-	tion for a period of twenty rotest nor request for hear	(20) days ing is rec	from date of receipt by the cived by the Santa Fe offi	e Commis	sion's Santa Fe office. If,		
	e en	e e e e e e e e e e e e e e e e e e e		The same weakling the first financial			



PROPOSED WELLBORE





Yalos 6 SRC"KZ" Slate

Clark Butter U.S.A.

TD 600 Yates Virish Hills

Allison CQ

lison CQ

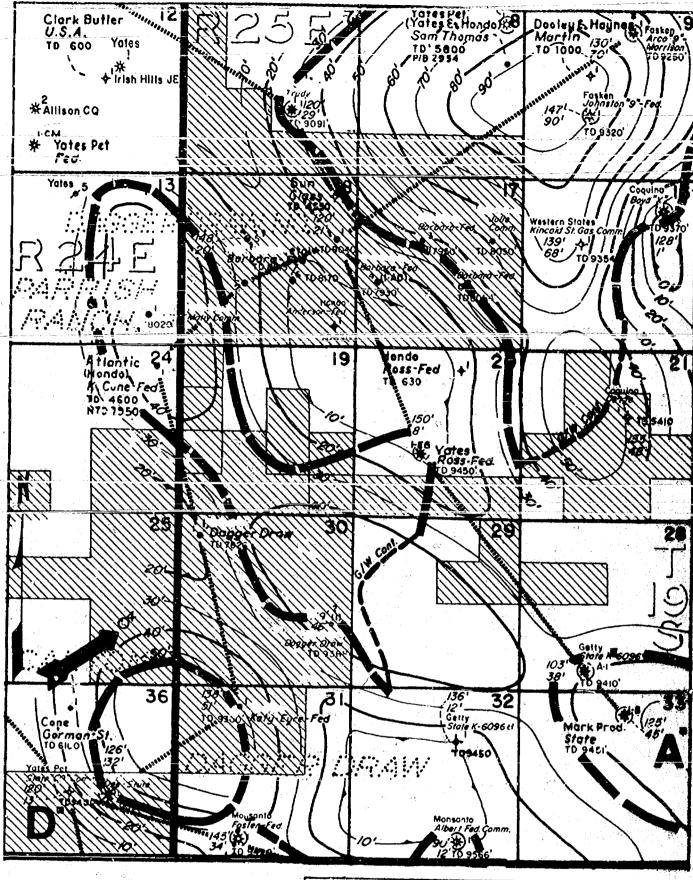
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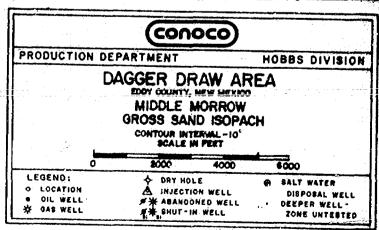
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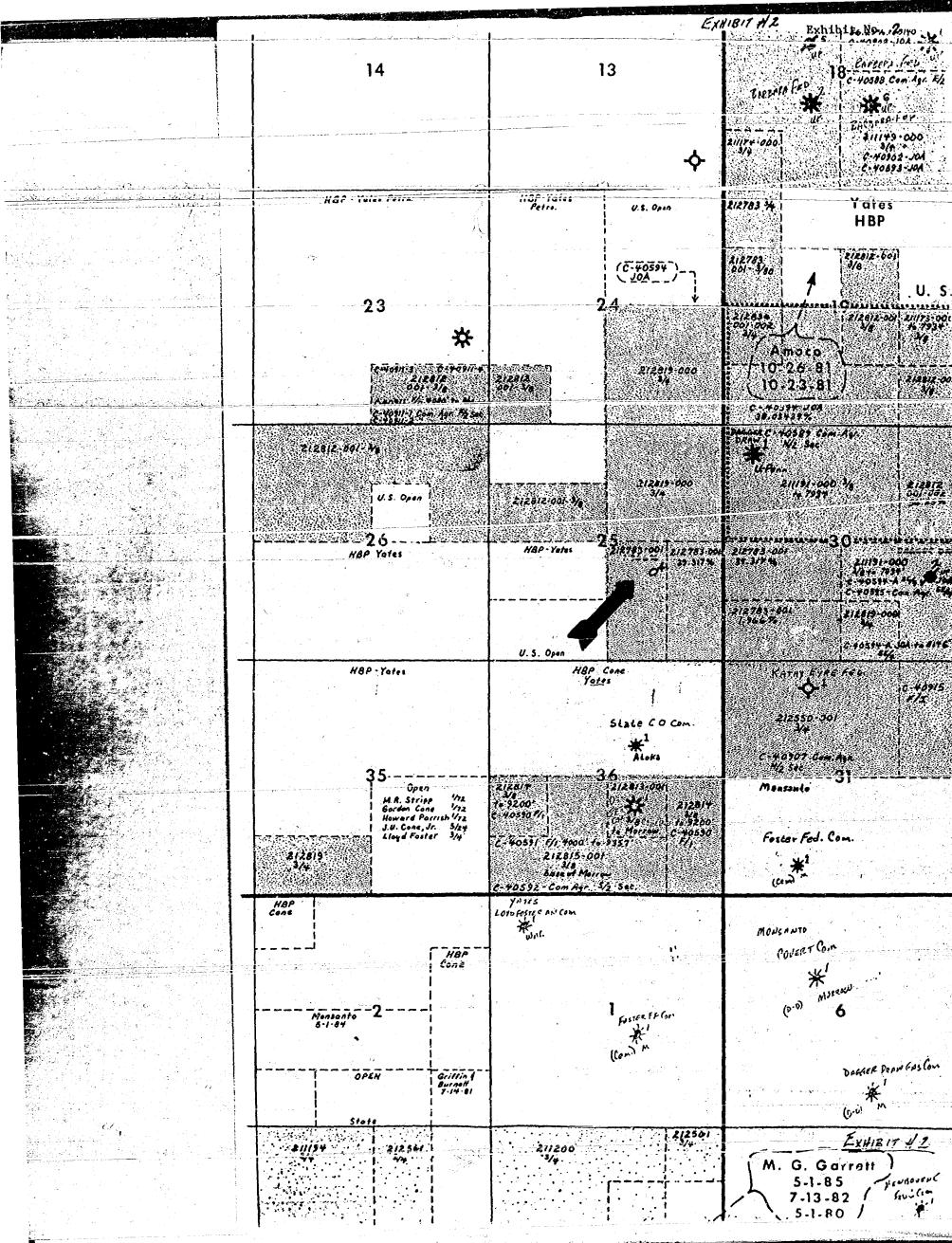
Form C-102 Supersedes C-128 Effective 1-1-55

All distances must be from the outer boundaries of the Section Operator Well No. Conoco Inc Dagger Draw Townside 19 South Eddy Ground Lovel Elev: 3591.6 Morrow 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? Yes No If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated (the savere side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION I hereby certify that the Inform total break to the and sample best of my knowledge and belief. Hugh A. Ingran Conservation Coordinator Morrow Proration Unit CONOCO INC Date Cisco Proration Unit October I hemby certify that the well location on this plat was plotted from field is true and correct to the best of my knowledge and belief. Date Surveyed Sept. 16, 1
Registered Professional En 1980 and/or Land Surveyo Certificate No.

1320 1650 1980

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HEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

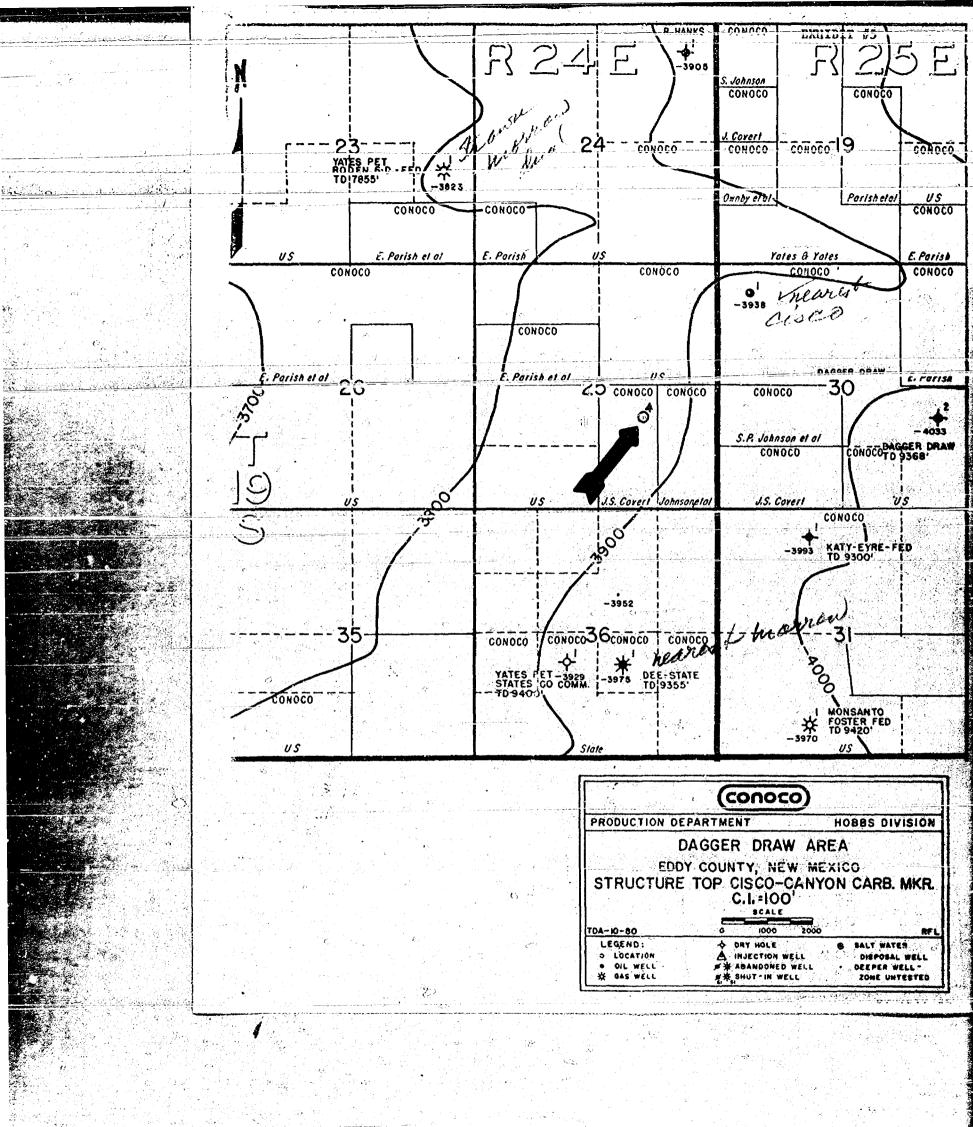
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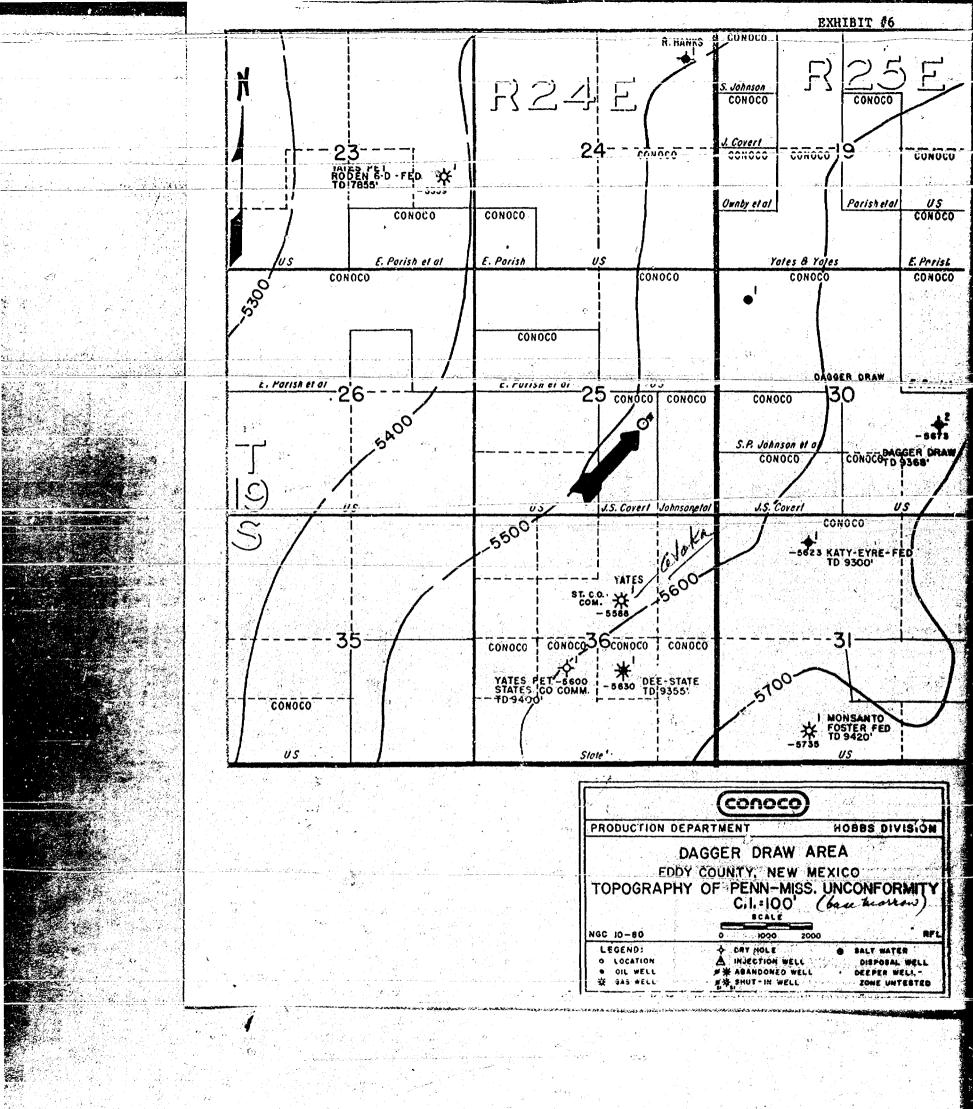
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Conoco Inc.	•	Lease	Eddy	Well No.	October 1, 1980
P.O. Box 460; Hob	bs, NM 88240		agger Draw Com.		4
	ection	Township		Passe	
Well J Has the New Mexico Oil Conservation	a Commission heresolore	authorized th	195	a well in t	24E
same zones within one mile of the su if answer is yes, identify one such in-			; Operator, Lesse, and	Well No.:	
The following faces are submitted:	Upper Zone		Intermediate Zone		Lower Zona
a. Name of Pool and Formation	Cisco				Morrow
b. Top and Bottom of Pay Section	(Est.) 7540'-	8050'			(Est.)8750' - 91
c. Type of production (Oil or Gas)	<u> </u>				gas.
d. Method of Production (Flowing or Artificial Lift)	artificial li	ft //			/ flowing
and setting depth, location	end tube of neckets ab-			CETTALION SS	
No No Electrical log of the well thereon. (If such log is not	of all wells on applicant tring applicant's lease, the multiple completion from 5 of the application.* or other acceptable log was available at the time application application.	's lease, all o om each offset with tops and b plication is fi	operator, or in lieu thes pottoms of producing ron led, it shall be submitte	eof; evidences and intended as provide gaddress.	e names and addresses of the cald offset operation indicates
No No No Electrical log of the well thereon. (If such log is not	of all wells on applicant tring applicant's lease, the multiple completion from 5 of the application.* or other acceptable log was available at the time application application.	's lease, all o om each offset with tops and b plication is fi	offset wells on offset less operator, or in lieu thes sottoms of producing ron led, it shall be submitte with their correct mailing	eof; evidences and intended as provide gaddress.	e names and addresses of the cald offset operation indicates
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b. Plat showing the location operators of all leases offse C. Waivers consenting to such a we been furnished copie have been furnished copie of the well of the teon. (If such log is not hereon. (If such log is not hereon. (If such log is not hereon. The lease of th	of all wells on applicant string applicant's lease, the multiple completion from soft the application.* or other acceptable log wavailable at the time application which this well is located and furnished application with the strate that I am the any), and that I am authors.	d a copy of the	offset wells on offset less operator, or in lieu these pottoms of producing zon led, it shall be submitte with their correct mailing is application? YES	es, and the eof; evidences and inted as provide g address. NO Hobb port; and the	re names and addresses of ce that cald offset operation indicated by Rule 112-A.) If answer is yes, give on Division at this report was prepare
b. Plat showing the location operators of all leases offse C. Waivers consenting to such a we been furnished copie d. Electrical log of the well of thereon. (If such log is not List all offset operators to the lease of the such and the such a way of the well of such notification	of all wells on applicant string applicant's lease, the multiple completion from soft the application.* or other acceptable log wavailable at the time application which this well is located and furnished application with the strate that I am the any), and that I am authors.	d a copy of the	offset wells on offset less operator, or in lieu these pottoms of producing zon led, it shall be submitte with their correct mailing is application? YES	es, and the eof; evidences and inted as provide g address. NO Hobb port; and the	re names and addresses of ce that cald offset operation indicated by Rule 112-A.) If answer is yes, give on Division at this report was prepare

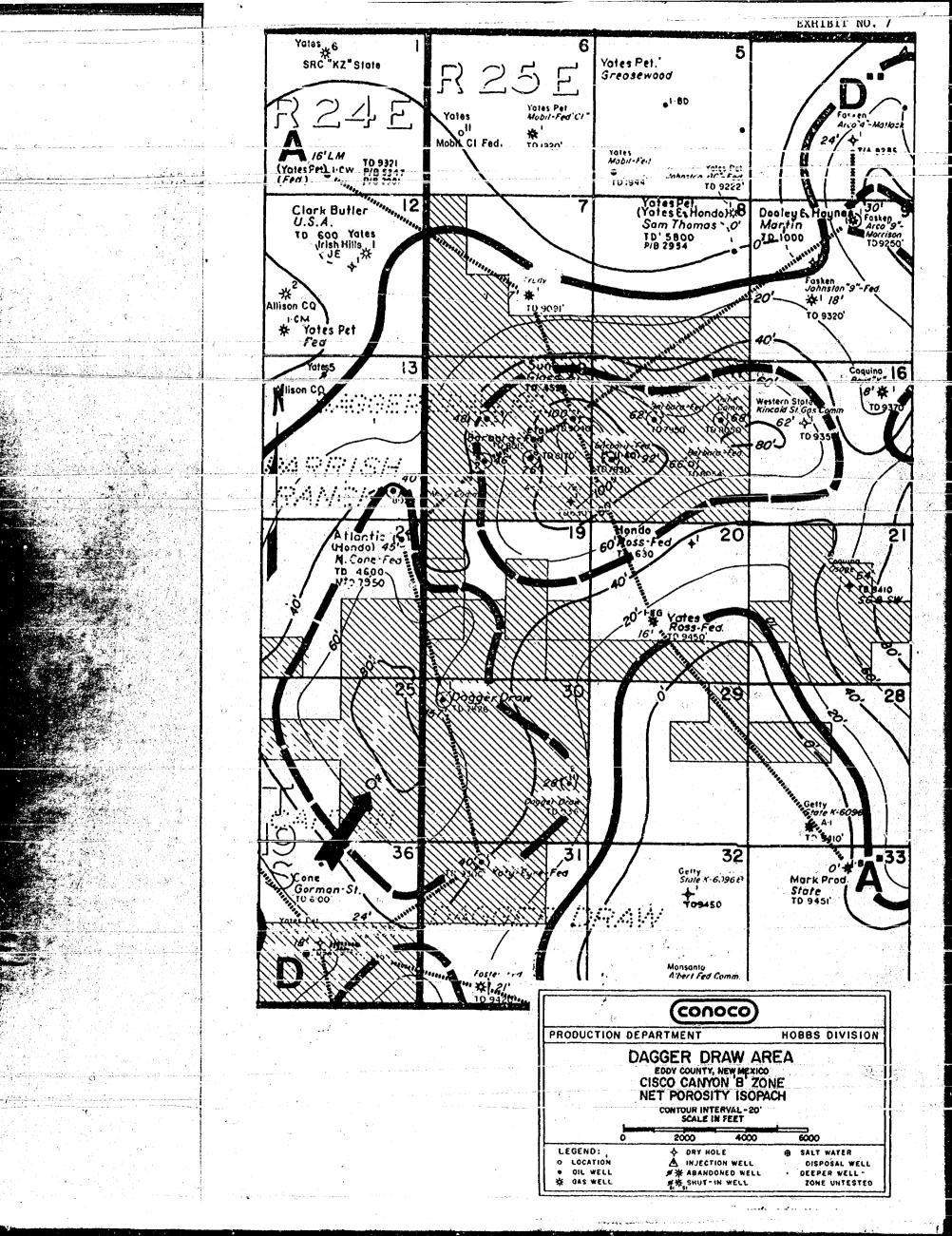
DAGGER DRAW NO. 4 - Exhibit 185.-4 1980' FSL & 1650' PEL Section 25, T-198, R-24# EDDY COUNTY, NM 13-3/8" 54# STC K-55 set at 500' with 430 sx. cement circulated 5 centralizers spaced 100' apart 9-5/8" 36# STC K-55 set at 1200' with 593 sx. cement circulated 12 centralizers spaced 100' apart Cisco S- very size 2-3/8" CSCB Hydril 4.6# C-75. Internally plastic coated. Baker Model 'A-5' Dual Hydrostatic retrievable packer @ 7500 Proposed Cisco perforations @ apporximately 7700'. To be produced by gas lift.

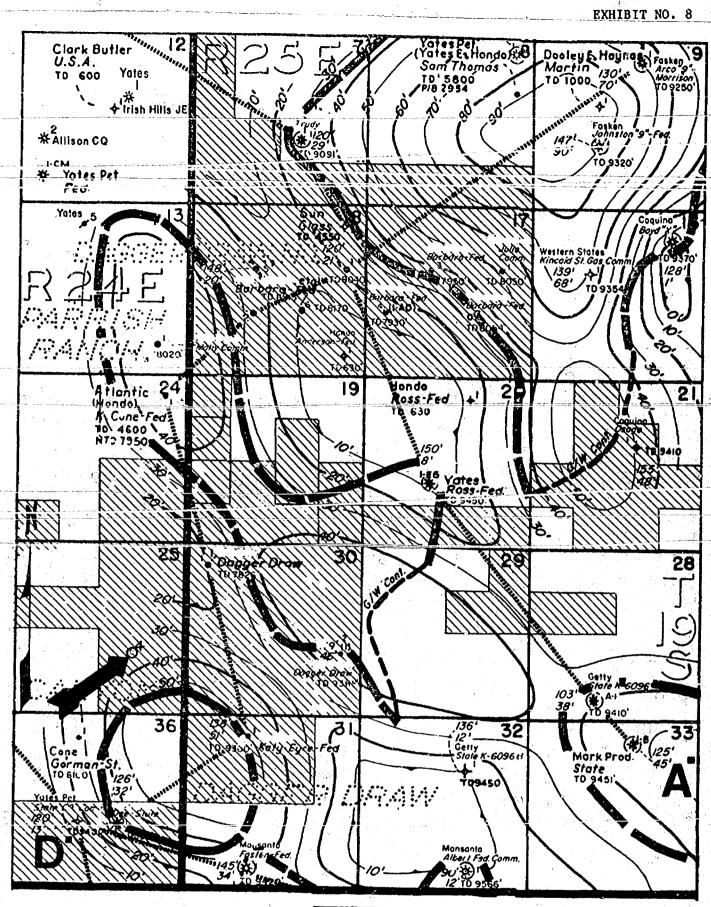
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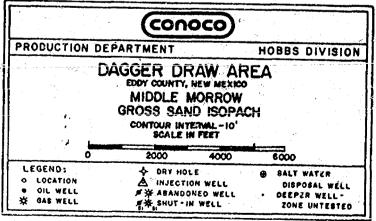
Circo 1700 pri
100' of 2-3/8" Monel coated blast joint. 2-3/8" CSCB Hydril 4.6# C-75. Internally plastic coated. Baker Model 'DB' packer @ 8900' with mill out extension, Model 'F' SN. 1 joint 2-3/8" tubing, Model 'F' SN & a Mule shoe production Proposed Morrow perforations at approximately 9000%. Est press. 4000-4500 par 7" 26# K-55 BTRC & N-80 LTC set @ 9433' w/750 sx. TOC est. @ 5200'. 36 centralizers spaced 40' apart. 30 scratchers spaced 15' apart. PROPOSED WELLBORE











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

Operator Well No. Conoco Inc Dagger Draw Hunge 19 South 24 East Eddy 1650 1980 South feet from the Ground Level Elov: Producing Form C18CO No. Dagger Draw Upper Penn. Undesignated Cemetery Morro 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation Yes No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use rows this form-if-necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communicization, a forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commissien. CERTIFICATION I hereby certify that the inform fained herein is true and complete est of my knowledge ard belief. Hugh A Conservation Coordinate Morrow Proration Unit CONOCO INC Cisco Proration Unit October 1650 under my supervision, and that the same wledge and belief. Date Surveyed Sent Revistered Profes and/or Land Surveyor

2000

1320 1650

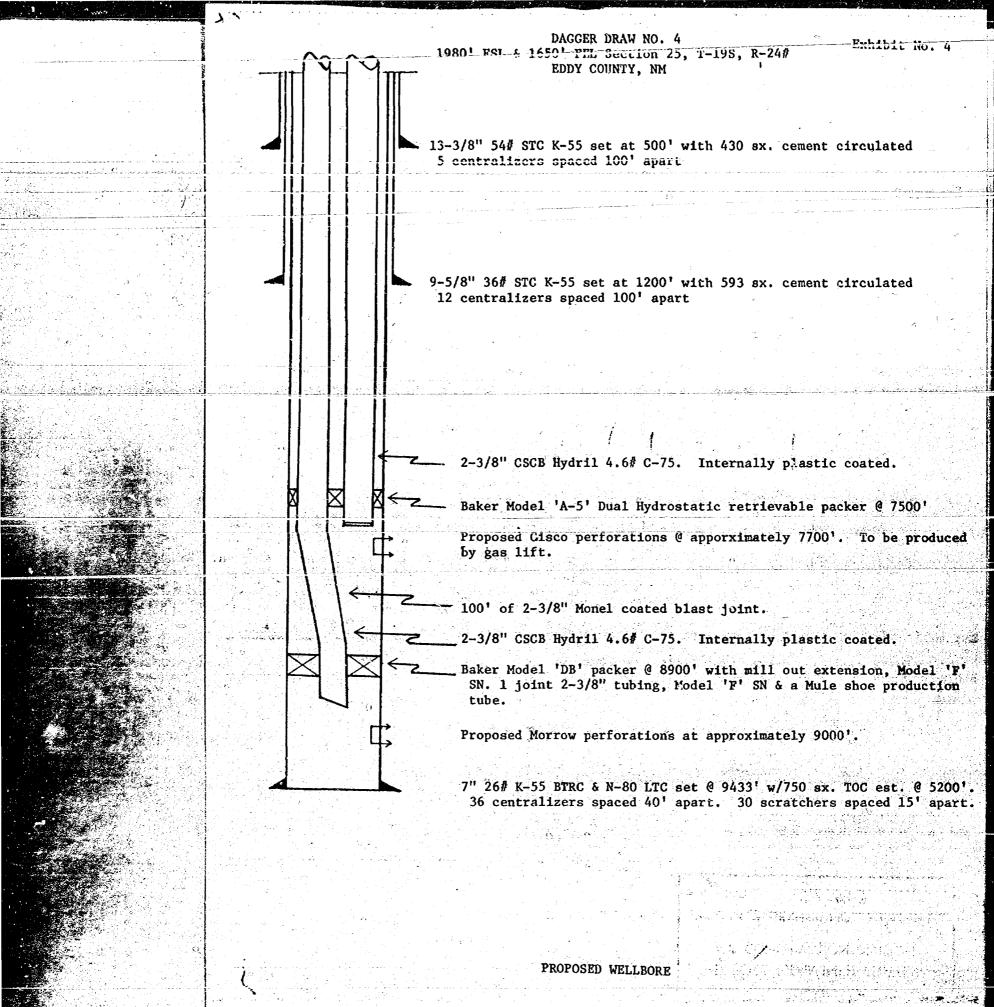
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		(C-#0594)	\$12763 aoj: 480 4
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		State CO Com.	212550-001
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	3/28/9 3/4	C-4051 F/1 4000 for \$257 F/1 212815-001 218 About Morey 21	Foster Fed. Com. ** (cem)
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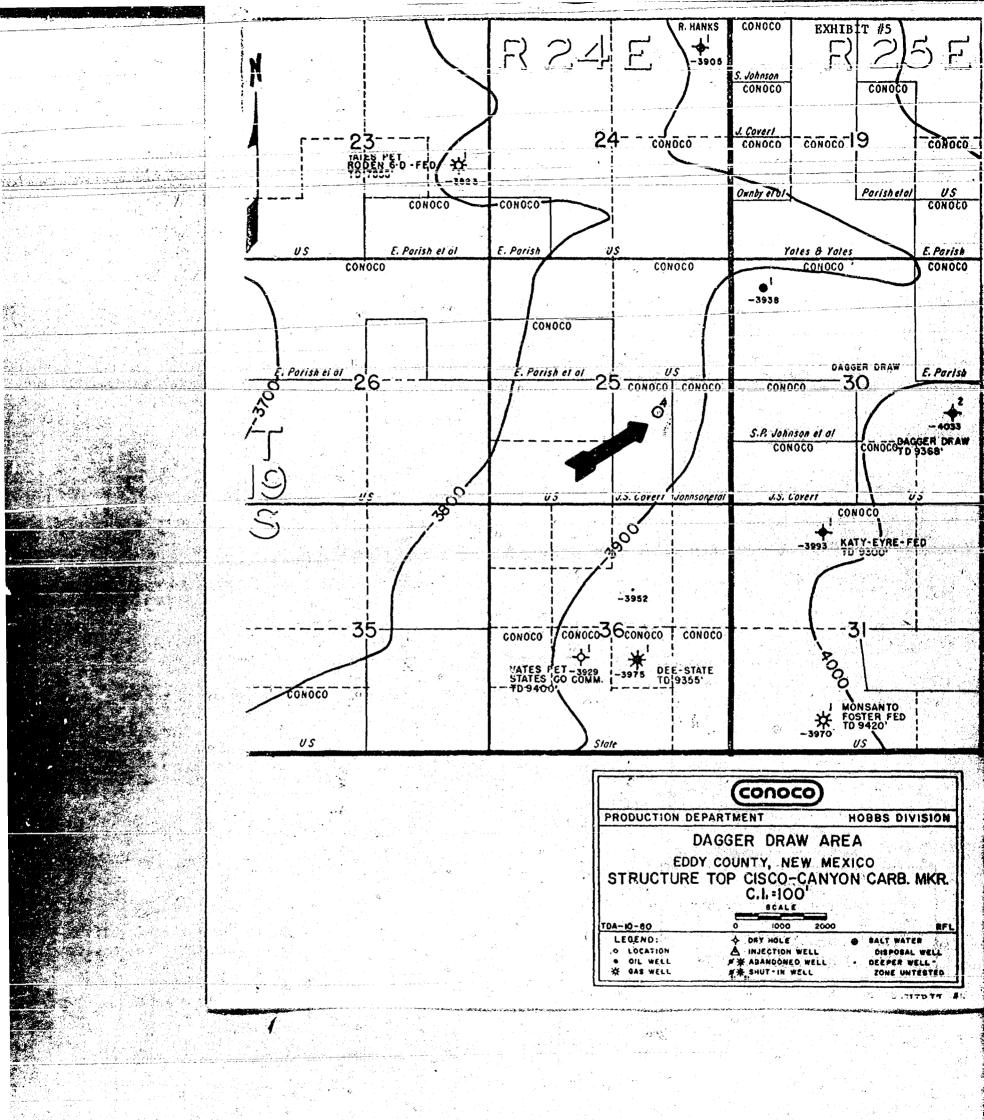
NEW MEXICO OIL CONSERVATION COMMISSION

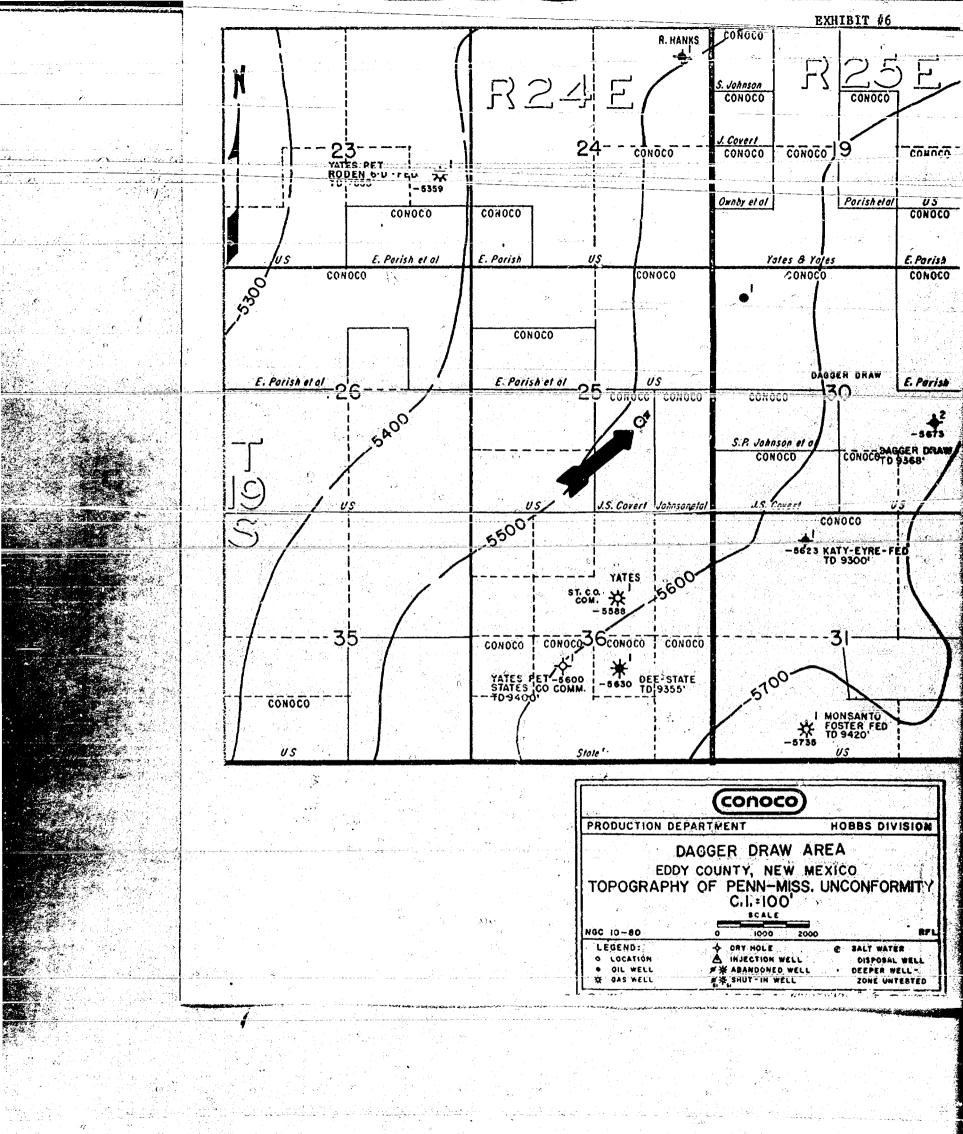
SANTA FE, NEW MEXICO

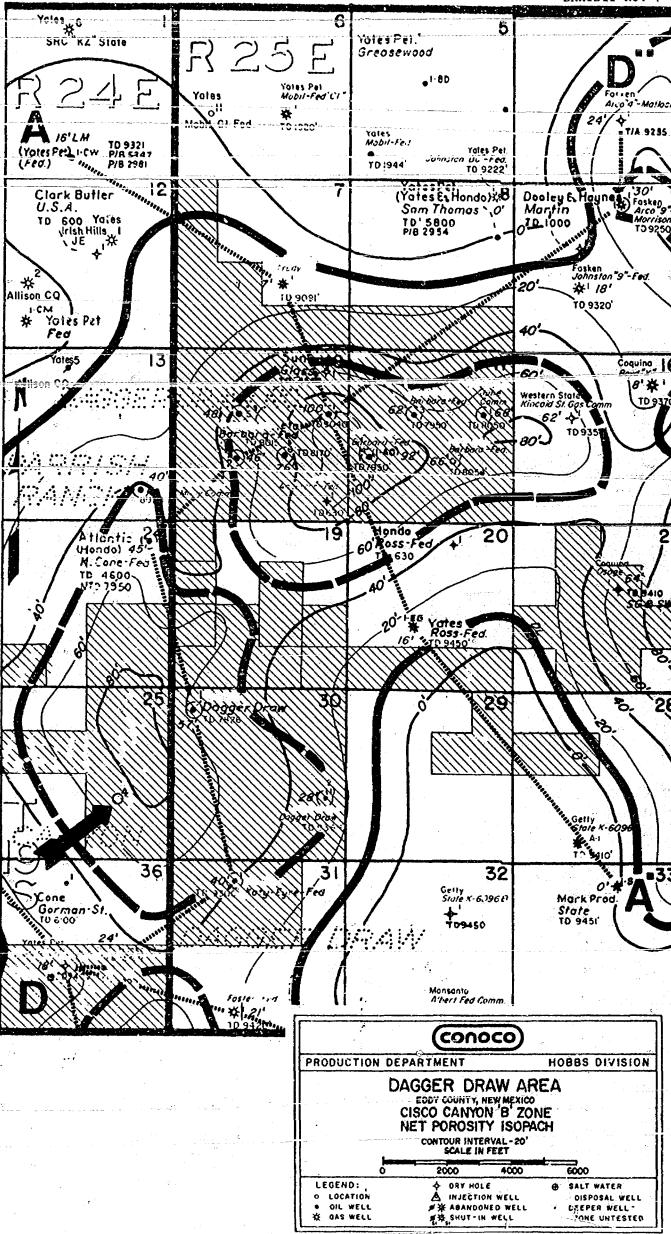
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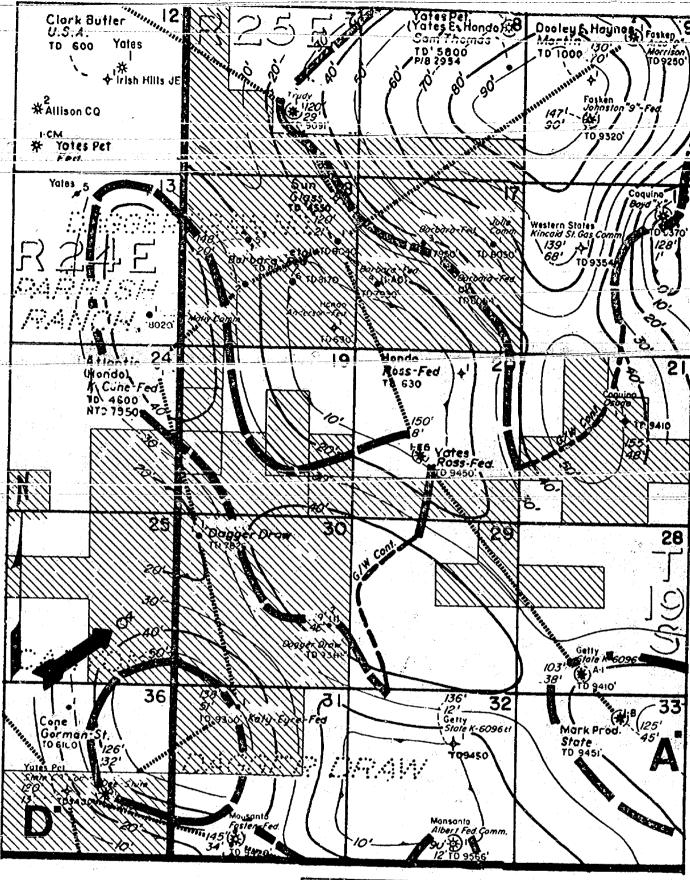
Conoco Inc.		Ed	Gy	Date 00	tober 1, 1980
ddress	· · · · · · · · · · · · · · · · · · ·	Lease		Well No.	
P.O. Box 460, Hob	ection	Township	Draw Com.	Range	4
ocation Unit .	25	198		STATISE	24B
. Has the New Mexico Oil Conservation	on Commission heretofore a		le completion of	a well in the	
same zones within one mile of the st	ibject well? YES	NO X			
If answer is yes, identify one such in	stance: Order No.	; Opera	tor, Lease, and	Well No.:	
					- A
The following facts are submitted:	Upper Zone	1	ntermediate Zone		Lower Zone
a. Name of Pool and Formation	Cisco		4		Morrow
b. Top and Buttom of Pay Section	(Est.) 7540'- 80	0501			Est.)8750' - 91
e. Type of production (Oil or Gas)	oil				gas.
d. Method of Production (Flowing or Attificial Lift)	artificial lif	t // //:		1. (flowing
. The following are attached. (Please		<u></u>			********
No c. Waivers consenting to such have been furnished copie No d. Electrical log of the well	etting applicant's lease. th multiple completion from the of the application.* or other acceptable log with	each offset operator	e, or in lieu these	eof; evidence	that said offset operat
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No c. Waivers consenting to such have been furnished copies. No d. Electrical log of the well thereon. (If such log is not List all offset operators to the lease Yates Petroleum 207 S. 4th Artesia, New Mexicological Artesia, New Mexicol	etting applicant's lease. th multiple completion from a of the application.* or other acceptable log with available at the time application which this well is located to the second to	h tops and bottoms of ication is filed, it sliced together with the a copy of this application.	of producing zone all be submitted it correct mailing ation? YES	eof; evidence es and interva as provided address. NO	that said offset operate Is of perforation indicate by Rule 112-A.) If answer is yes, give Division
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No c. Waivers consenting to such have been furnished copies. No d. Electrical log of the well thereon. (If such log is not List all offset operators to the lease Yates Petroleum 207 S. 4th Artesia, New Mexico. Were all operators listed in Item 5 about such notification.	etting applicant's lease. th multiple completion from s of the application.* or other acceptable log wit available at the time appl on which this well is locat co 88210 ove notified and furnished state that I am the any), and that I am suthori	a copy of this application by said company	ation? YES	NO Hobbs	Is of perforation indicated by Rule 112—A.) If answer is yes, give Division this report was preparationally and the second content of the second content
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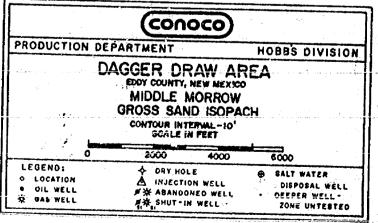












- CASE 7065: Application of El Paso Natural Gas Company for twelve non-standard proration units, Rio Arriba County, New Hexico. Applicant, in the above-styled cause, seeks approval for the establishment of eight non-standard proration units for Pictured Cliffs wells to be drilled in the W/2 of partial Sections 6, 7, 18, 19, 30 and 31 of Township 30 North, Range 4 West, and four non-standard proration units for Pictured Cliffs wells in partial Sections 7, 8 and 2 of Township 28 North, Range 4 West.
- CASE 7066: Application of Conoco Inc. for a dual completion, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approved for the dual completion of its spire "B" Well Mo.

 27 located in Unit G of Section 15, Township 20 South, Range 37 East, to produce oil from the Weir
 Drinkard or an undesignated Blinebry pool and an undesignated Abo pool.
- CASE 7067: Application of Conoco Inc. for a dual completion, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the dual completion of its Dagger Draw Com.

 Well No. 4 located in Unit J of Section 25, Township 19 South, Range 24 East, to produce oil from the North Dagger Draw-Upper Penn Pool and gas from an undesignated Morrow pool.
 - CASE 7068: Application of Conoco Inc. for a dual completion and an unorthodow well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Penny Federal Com. Well No. 2 at an unorthodox location 1650 feet from the North line and 1980 feet from the East line of Section 23, Township 20 South, Range 24 East, to produce oil from the South Dagger Draw-Upper Penn Pool and gas from an undesignated Korrow pool.
 - CASE 7069: Application of Anadarko Production Company for an unorthodox gas well location, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks approved for the unorthodox location of a more well to be crilled 660 feet from the South and East lines of Section 4, Township 19 South, Range 25 East, the S/2 of said Section 4 to be dedicated to the well.
 - CASE 7070: Application of Tesoro Petroleum Corporation for a pilot caustic flood project, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a one-acre pilot caustic flood project in the Hospah Field by the injection of caustic fluid into the Seven Lakes Sand of the Upper Hospah Field at an approximate depth of 300-500 feet through four injection wells in Unit K of Section 1, Township 17 North, Range 9 West.
 - CASE 7071: Application of Jake L. Hamon for an unorthodox well location and simultaneous dedication, Los County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of a 640-acre proration unit comprising all of Section 17. Township 20 South, Range 36 East, North Osudo-Morrow Pool, to its Amerada Federal Well No. 2 located in Unit F and its Amerada Federal Well No. 3, to be drilled at an unorthodox location 1650 feet from the South line and 660 feet from the East line of said Section 17.
 - CASE 6668: (Reopened and Readvertised)

In the matter of Case 6668 being reopened pursuant to the provisions of Order No. R-6139 which order promulgated temporary special rules and regulations for the South Culebra Bluff-Bone Spring Pool in Eddy County, New Mexico, including a provision for 80-acre spacing units. Operators in said pool may appear and show cause why the pool should not be developed on 40-acre spacing units.

CASE 7005: (Continued from September 17, 1980, Examiner Hearing)

Application of Sol West III for an NGPA determination, Eddy County, New Mexico.

Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Morrow formation for his Turkey Track-Morrow Sand Well No. 1 in Unit I of Section 26, Township 18 South, Range 28 East.

- CASE -7072: Application of Enserch Exploration, Inc. for pool creation and special pool rules, Roosevelt County,
 New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Pennsylvanian oil pool
 for its Enserch Amoco State Well No. 1 located in Unit L of Section 16, Toymship 4 South, Range 33
 East, and the promulgation of special pool rules therefor, including a provision for 80-acre spacing.
- CASE 7073: Application of Enserch Exploration, Inc. for pool creation, temporary special pool rules, and assignment of a discovery allowable, Chaves County, New Mexico. Applicant, in the above styled cause, seeks the creation of a new Fusselman oil pool for its J. G. O'Brien We)1 No. 1 located 1980 feet from the North line and 660 feet from the West line of Section 31, Township 7 South, Range 29 East, with special rules therefor, including provisions for 80-acre spacing, a limiting gas-cil ratio of 3000 to one and special well location requirements providing for the drilling of wells within 150 feet of the center of a quarter-quarter section. Applicant further seeks approval of a 74.24-acre provision and spacing unit and a discovery allowable for said J. G. O'Brien Well No. 1.



L. P. Thompson Division Manager

John R. Kemp Assistant Division Manager

Production Department Hobbs Division North American Production Conoco Inc. P.O. Box 460 1001 North Turner Hobbs, NM 88240 (505) 393-4141

October 3, 1980

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

Case 7067

Attention Mr. Dan Nutter

Gentlemen:

Application For Approval to Dually Complete - Dagger Draw Com. Well No. 4, Section 25, T-19S, R-24E, Eddy County, New Mexico

Attached are three copies of the subject application. Please schedule this case on the first available Examiner Docket.

very truly yours,

HAI:rej

Enc

CC

Tom Kellahin

Vic Lyon

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

IN THE MATTER OF THE APPLICATION OF CONOCO INC. FOR APPROVAL TO DUALLY COMPLETE ITS DAGGER DRAW COM. WELL NO. 4 IN THE NORTH DAGGER DRAW UPPER PENN AND UNDESIGNATED MORROW POOLS TO BE LOCATED 1980' FSL AND 1650' FEL IN UNIT J OF SECTION 25, T-198, R-24E, EDDY COUNTY, NEW MEXICO

Case 7067

APPLICATION

Applicant, CONOCO INC., respectfully requests authority to dually complete its Dagger Draw Com. Well No. 4, "located in Unit "I" of Section 25, T-19S, R-24E, Eddy County, New Mexico, in the North Dagger Draw Upper Penn pool and the Undesignated Morrow pool, and in support thereof will show:

- 1. Applicant is operator and co-owner of the Dagger Draw Lease, which in addition to other lands includes the E/2 of Section 25, T-19S, R-24E, Eddy County, New Mexico.
- 2. Applicant intends to complete in the North Dagger Draw Upper Penn (Cisco) pool and the Undesignated Morrow pool its Dagger Draw Com. Well No. 4, located in Unit "J" of said Section 25 on said lease, and to dedicate the SE/4 to the Cisco and the E/2 to the Morrow.
- 3. That dual completion in the above named pools will recover reserves that would not otherwise be recovered.
- 4. That no other well is known to have produced simultaneously from these two zones in these reservoirs.
- 5. That the granting of this application will prevent wante and will not impair the correlative rights of any party.

WHEREFORE, applicant respectfully requests that this application be set for hearing before the Division's duly appointed examiner, and upon hearing, an order be entered authorizing the dual completion of the Dagger Draw Com. Well No. 4, as described above.

Respectfully submitted,

CONOCO INC.

Division Manager of Production Hobbs Division

HAT:rej

10/2/80

Form C-102 Supersedes C-128

All distances must be from the outer boundaries of the Section Operator Cenece Dagger Drew Unit Letter 25 24 east Eddy **south** Actual Footoge Lo atten of Welli muin iest from the Ground Level Elev Poot Dedicated Acresque Cisco North Dagger Draw Upper Penn 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? Yes No If answer is "yes!" type of consolidation . If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION oby certify that the information H. A. Ingram Conservation Coordinator CONOCO INC. October 3, 1980 Date Surveyed Registered Professional and/or Land Surveyor

All distances must be from the outer boundaries of the Section Operator Cúnoco Ina. Hange Unit Letter Edd Actual Footoge 1980 1650 leet from the line Dedicated Acreage: Marrow Undesignated Cemetery Morrow Gas 1. Outline the acreage dedicated to the aubject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation Yes No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). He plicable will be auxigued to the well untit all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION I heraby certify that the information H. A. Ingram Conservation Coordinator CONOCO INC. October 3, 1980 1650 Date Surveyed Registered Professional Engine

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

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Conoco Inc.		Eddy	i	October 1, 1980
dress		Lease Dagger Draw Co	Well No	
P.O. BOX 460, Hobb	etion	Township	Range	, 4 , , , , , , , , , , , , , , , , , , ,
Well J	25	198		24E
Has the New Mexico Oil Conservation			tion of a well in	
same zones within one mile of the sub			_	
If answer is yes, identify one such ins			, and Well No.:	
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The following facts are submitted:	Upper Zone	Intermediat Zone	•	Lower Zone
a. Name of Pool and Formation	Cisco			Morrow
b. Top and Bottom of	. 1			
Pay Section	7540			87501
(Perforations)			·	
c. Type of production (Oil or Gas)	oil			gas
d. Method of Production			(, <u></u>
(Flowing or Artificial Lift)	artificial lift		!	flowing
The following are attached. (Please m	ark YES of NU)	· · · · · · · · · · · · · · · · · · ·		
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List all offset operators to the lease o	vailable at the time appli	cation is filed, it shall be sub	omitted as provi	led by Rule 112-A.)
Yates Petroleum				
207 S. 4th				
Artesia, New Mexico	88210			
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W.				
Were all operators listed in Item 5 above of such notification	te notified and furnished a	copy of this application? Yi	ES NO	If answer is yes, give de
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CERTIFICATE: I, the undersigned, st	ate that I am the	Division Manager	of the Hob	bs Division
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BEFORE THE OIL CONSERVATION DIVISION ENERGY AND MINERALS DEPARTMENT OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF CONOCO INC. FOR APPROVAL TO DUALLY COMPLETE ITS DAGGER DRAW COM. WELL NO. 4 IN THE NORTH DAGGER DRAW UPPER PENN AND UNDESIGNATED MORROW POOLS TO BE LOCATED 1980' FSL AND 1650' FEL IN UNIT J OF SECTION 25, T-19S, R-24E, EDDY COUNTY, NEW MEXICO

Case 7067

APPLICATION

Applicant, CONOCO INC., respectfully requests authority to dually complete its Dagger Draw Com. Well No. 4. located in Unit "I" of Section 25, T-19S, R-24E, Eddy County, New Mexico, in the North Dagger Draw Upper Penn pool and the Undesignated Morrow pool, and in support thereof will show:

- 1. Applicant is operator and co-owner of the Dagger Draw Lease, which in addition to other lands includes the E/2 of Section 25, T-198, R-24E, Eddy County, New Mexico.
- 2. Applicant intends to complete in the North Dagger Draw Upper Penn (Cisco) pool and the Undesignated Morrow pool its Dagger Draw Com. Well No. 4, located in Unit "J" of said Section 25 on said lease, and to dedicate the SE/4 to the Cisco and the E/2 to the Morrow.
- 3. That dual completion in the above named pools will recover reserves that would not otherwise be recovered.
- 4. That no other well is known to have produced simultaneously from these two zones in these reservoirs.
- 5. That the granting of this application will prevent waste and will not impair the correlative rights of any party.

WHEREFORE, applicant respectfully requests that this application be set for hearing before the Division's duly appointed examiner, and upon hearing, an order be entered authorizing the dual completion of the Dagger Draw Com.

Well No. 4, as described above.

Respectfully submitted,

CONOCO INC.

Division Manager of Production Hobbs Division

HAI:rej 10/2/80

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

All distances must be from the outer boundaries of the Section Operator Well No. Conoco Inc. Unit Letter 25 south 24 Eddy east 1980 south ilije una Level Elev. Producing Formation Cisco North Dagger Draw Upper Penn 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation Yes No If snewer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION Ingram Conservation Coordinator CONOCO INC. October 3, 1980 1650 Date Surveyed Registered Prolessional Engli

Supersedes C-128 Etlective 14-65

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SANTA FE, NEW MEXICO

Conoco Inc.		County	Date October 1, 1980
ddiese P.O. Post 460: Hills	NT 00240	n seek neek lide	Weil No.
P.O. Box 460, Hobbs		Dagger Draw Com.	INNURC
r Well J	25	198	24E
. Has the New Mexico Oil Conservation (of a well in these same pools or in th
same zones within one mile of the subje			
. If answer is yes, identify one such insta		; Operator, Lease, a	nd Well No.:
and the state of t			
	e2	•	
. The following facts are submitted:	Upper	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Cisco		Morrow
b. Top and Bottom of			
Pay Section	75401		8750 '
(Perforations)	ere watermen er		
c. Type of production (Oil or Cas)	011	,	gas
d. Method of Production			
(Flowing or Artificial Lift)	artificial lift		flowing
. The following are attached. (Please man			
have been furnished copies of	f the application.*		
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		Mensanto 2				
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BEFORE THE OIL CONSERVATION DIVISION ENERGY AND MINERALS DEPARTMENT OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF CONOCO INC. FOR APPROVAL TO DUALLY COMPLETE ITS DAGGER DRAW COM. WELL NO. 4 IN THE NORTH DAGGER DRAW UPPER PENN AND UNDESIGNATED MORROW POOLS TO BE LOCATED 1980' FSL AND 1650' FEL IN UNIT J OF SECTION 25, T-198, R-24E, EDDY COUNTY, NEW MEXICO

Case 7067

APPIICATION

Applicant, CONOCO INC., respectfully-requests authority to dually complete its Dagger Draw Com. Well No. 4, located in Unit "J" of Section 25, T-19S, R-24E, Eddy County, New Mexico, in the North Dagger Draw Upper Penn pool and the Undesignated Morrow pool, and in support thereof will show:

- 1. Applicant is operator and co-owner of the Dagger Draw Lease, which in addition to other lands includes the E/2 of Section 25, T-19S, R-24E, Eddy County, New Mexico.
- 2. Applicant intends to complete in the North Dagger Draw Upper Penn (Cisco) pool and the Undesignated Morrow pool its Dagger Draw Com. Well No. 4, located in Unit "J" of said Section 25 on said lease, and to dedicate the SE/4 to the Cisco and the E/2 to the Morrow.
- 3. That dual completion in the above named pools will recover reserves that would not otherwise be recovered.
- 4. That no other well is known to have produced simultaneously from these two zones in these reservoirs.
- 5. That the granting of this application will prevent waste and will not impair the correlative rights of any party.

WHEREFORE, applicant respectfully requests that this application be set for hearing before the Division's duly appointed examiner, and upon hearing, an order be entered authorizing the dual completion of the Dagger Draw Com.

Well No. 4, as described above.

Respectfully submitted,

CONOCO INC.

L.P. THOMPSON

Division Manager of Production Hobbs Division

HAI:rej 10/2/80

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Ellective (-1-65

must be from the outer boundaries of the Section Operator Well No. Dagger Draw Range 25 19 24 Eddy south east 1650 east **south** lest from the line and Ground Lavel Elev. Producing Formation Pedicated Acrosque Cisco North Dagger Draw Upper Penn 160 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below, 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION nereby certify that the information com-Ingram Conservation Coordinator CONOCO INC October 3, 1980 I heraby certify that the wall lecetion Date Surveyed 9-16-80 Registered Professional Engine and/or Land Surveyor

form C-102 Supersedes C-128 Ellective 14-65

PATRICK A. ROMERO

Honoid J. Eldson

Operator Conoco Unit Letter Range 24 Section 25 19 south Eddy east 1980 south line and County Level Ele Morrow Undesignated Cemetery Morrow Ga 1. Outline the acreage dedicated to the aubject well by colored pencil or hachure marks on the plat below. 2, If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation Yes ☐ No If answer is "no," lies the eweers and tract descriptions which have actually been consolidated. (Use this form if necessary.)... No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION H. A. Ingram Conservation Coordinator CONOCO INC. October 3, 1980 1650 Date Surveyed Registered Professional Engin

1320

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

Quaratas		County	,	Date	**************************************
Operator Conoco Inc.			Eddy] Qc	tober 1. 1980
P.O. Box 460, Hobb			Dagger Draw Com.	Aell-No.	4
or Well J	ction 25	Township	198	Range	24E
1. Has the New Mexico Oll Conservation			the multiple completion of	a well in the	se same pools or in the
same zones within one mile of the sub 2. If answer is yes, identify one such inst		_ NO	; Operator, Lease, and	Well No.:	
3. The following facts are submitted:	Upper Zone		Intermediate Zone		Lower Zone
a. Name of Pool and Formation	Cisco				Morrow
b. Top and Bottom of Pay Section (Perforations)	7540'				87501
c. Type of production (Oil or Gas)	oi1				gas
d. Method of Production (Flowing or Artificial Lift)	artificial lif	it		1	flowing
4. The following are attached. (Please m		l		L	
No c. Waivets consenting to such have been furnished copies d. Electrical log of the well or thereon. (If such log is not a 5. List all offset operators to the lease or	of the application.* rother acceptable log wi evailable at the time app	ith tops and lication is	d bottoms of producing zone filed, it shall be submitted	es and interva d as provided !	ls of perforation indicated
207 S. 4th					
Artesia, New Mexico) 88210				
6. Were all operators listed in Item 5 above of such notification			this application? YES		If answer is yes, give date Division
CONOCO INC. (compare under my supervision and direction and the	ny), and that I am authori	ized by sai	d company to make this rep	port; and that	this report was prepared
			Alle	men s	18eq
Should waivers from all offset ope Commission will hold the applicat	ion for a period of twent	y (20) daya	n for administrative approve from date of receipt by the	e Commission	's Santa Fe office. If,
after said twenty-day period, no pr NOTE: If the proposed multiple completion	rotest nor request for hea	aring is rec			

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

ALLED BY THE OIL CONSERVATION	
IVISION FOR THE PURPOSE OF CONSIDERING:	
CASE NO. 7067	
Order No. R- 6514	
PPLICATION OF CONOCO INC.	
OR A DUAL COMPLETION, EDDY	
COUNTY, NEW MEXICO.	
ORDER OF THE DIVISION	
Y THE DIVISION:	
This cause came on for hearing at 9 o'clock a.m. on	
	as i stirte i t
Uctober 29 , 19 80 , at Santa Fe, New Mexico, befo	re
Examiner Daniel S. Nutter	
NOW, on this day of, 19 80 ,	the
Division Director, having considered the testimony, the recor	đ,
and the recommendations of the Examiner, and being fully advi	sed 🕠
in the premises,	
TINDS:	
(1) That due public notice having been given as requi	red by
law, the Division has jurisdiction of this cause and the subj	ect
natter thereof.	
(2) That the applicant, Conoco Inc.	
seeks suthority to complete its Dagger Draw Com Well No. 4	
그리고 있으로 나는 그는 사람들이 없는 생물들을 하는 사람들이 가득하는 사람들이 하는 것들이 되었다.	
Tell Moxx $xxxx$, located in Unit J of Section 2^5 , T	
seeks authority to complete its Dagger Draw Com Well No. 4 **Plix**********************************	own-
Tell XBOXXXXXX , located in Unit $_{\rm J}$ of Section $_{\rm L}^{25}$, $_{\rm T}$	own-
while 19 South , Range 24 East , NMPM, Eddy County, New Mexico, as a dual completion (conventional) (combination) (tubingless)	to
Ship 19 South , Range 24 East , NMPM, Eddy County, New Mexico, as a dual completion (conventional) (combination) (dubingless) orduce gas from the North Dagger Draw-Upper Penn Pool and	to
chip 19 South , Range 24 East , NMPM, Eddy County, New Mexico, as a dual completion (conventional) (combination) (tubingless) orduce gas from the North Dagger Draw-Upper Penn Pool and	to
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Ship 19 South , Range 24 East , NMPM, Eddy County, New Mexico, as a dual completion (conventional) (combination) (dubingless) orduce gas from the North Dagger Draw-Upper Penn Pool and	to

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١	(3) That the mechanics of the proposed dual completion
	are feasible and in accord with good conservation practices.
إ	(4) That approval of the subject application will prevent
	waste and protect correlative rights.
	IT IS THEREFORE ORDERED:
	(1) That the applicant, Conoco Inc.
	is hereby authorized to complete its Dagger Draw Com.
	Well No. 4 located in Unit J of Section 25
	Township 19 South , Range 24 East , NMPM, Eddy
	County, New Mexico, as a dual completion (conventional)
	oil North Description
	to produce gas from the North Dagger Draw-Upper Penn Pool
	and gas from an undesignated Morrow pool Through parallel
	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 hakey tests upon completion and
	annually thereafter during the Annual gas was Shadin Reserve
	Test Period for the Merran gas some,
	(2) That jurisdiction of the 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.
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