CASE 6872: AMOCO PRODUCTION COMPANY FOR A DUAL COMPLETION, LEA COUNTY, NEW MERICO

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# CASE NO.

6872

APPIICATION, Transcripts, Small Exhibits,

ETC.

GOVERNOR

# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

May 14, 1980

Re: Mr. James M. Appelt, Attorney Amoco Production Company P. O. Box 3092

CASE NO. 6872 ORDER NO. R-6340

POBT OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

Applicant:

Amoco Production Company

Dear Sir:

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

Pours very truly, ð JOE D. RAMEY Director

Houston, Texas 77001

JDR/10

Copy of order also sent to:

Hobbs OCD x Artesia OCD X Aztec OCD

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 CONSIDERING:

> CASE NO. 6872 Order No. R-6340

APPLICATION OF ANOCO PRODUCTION 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 April 23, 1980, at Santa Fe, New Nexico, before Examiner Richard L. Stamets.

NOW, on this 13th day of May, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

### FINDS:

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

(2) That the applicant, Amoco Production Company, seeks authority to complete its State "HQ" Well No. 1, located in Unit P of Section 26, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce Bone Springs and Wolfcamp oil through parallel strings of 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 THEREPORE ORDERED:

(1) That the applicant, Amoco Production Company, is hereby authorized to complete its State "HQ" Well No. 1, located in Unit P of Section 26, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce -2-Case No. 6872 Order No. R-6340

Bone Springs and Wolfcamp oil through parallel strings of tubing with separation of the sones to be achieved by means of a packer set at approximately 10,580 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-Oil Ratio Test Period for the undesignated Wolfcamp pool.

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

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



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STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY

Director

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•	1 2 3	ENERGY AND OIL CONSE STATE LA SANTA LA	OF NEW MEXICO MINERALS DEPARTMENT ERVATION DIVISION AND OFFICE BLDG. FE, NEW MEXICO April 1980						
	4 5	EXAMINEF HEARING							
	6 7 9	IN THE MATTER OF: Application of Amo Company for a dual County, New Mexico	Completion, healt						
YD, <b>C.S.R.</b> 9-8 ado 1701 13-7409	<b>10</b> 11	BEFORE: Richard L. Stamets							
ALLY W. BO' Rt. 1 Box 1 Burla Ft. Non M Phone (300) 4	12 13	TRANSCRIPT OF HEARING							
đ	14 15	APPEARANCES							
	16 17 18	For the OIl Conservation Division:	Ernest L. Padilla, Esq. Legal Counsel to the Division State Land Office Bldg. Santa Fe, New Mexico 87501						
	19 20 21	For the Applicant:	James M. Appeit, 1994. Amoco Production Company P. O. Box 3092 Houston, Texas 77001						
<b>)</b>	22 23								
	24 25								

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MR. STAMETS: We'll call next Case 6872. MR. PADILLA: Application of Amoco Pro-2 duction Company for a dual completion, Lea County, New 3 Mexico. MR. APPELT: My name is James Appelt. I'm appearing for Amoco Production Company. This is Case In this case Amoco Production Company requests Divi-7 6872. sion approval to dually complete its State "HQ" Well No. 1 located in Unit P of Section 26, Township 18 South, Range 34 East, Airstrip Field, Lea County. Said well is to produce Upper Bone Springs 11 and Wolfcamp oil through parallel strings of tubing. 12 I have one witness, Mr. Jim Allen, and 13 he needs to be sworn. 14 16 (Witness sworn.) 16 17 J. C. ALLEN being called as a witness and having been duly super upon 19 his oath, testified as follows, to-wit: 20 21 DIRECT EXAMINATION 22 23 BY MR. APPELT: Mr. Allen, will you please state your Q name, where you're employed?

BALLY

My name is James C. Allen. I'm a Senior 2 Petroleum Engineer and Supervisor with Amoco Production Company in Houston, Texas. Mr. Allen, have you ever testified before Q this Commission before? A. Yes, sir. Are your qualifications a matter of pub-Q. lic record? Yes, sir. A. MR. APPELT: Mr. Examiner, will you accept 11 Mr. Allen as an expert, qualified to testify in this matter? 12 MR. STAMETS: Yes, the witness is qual-13 ified. And in case I missed it, we do have a letter in here 14 from Atwood and Malone filing their entry of appearance in 15 this case. 16 MR. APPELT: Okay, thank you. 17 Mr. Allen, how many exhibits do you plan Q. 12 to introduce? Three exhibits. A. 20 Mr. Allen, were these exhibits prepared Q. 21 by you or under your direction and supervision? 22 Yes, sir, they were. A. 23 Okay, Mr. Allen, I now direct your atten-Q. 24 tion to Exhibit Number One. Mr. Allen, what is Exhibit One? Exhibit Number One is a map of a portion A.

of Lea County, New Mexico, with Amoco's El Tonto working interest unit located essentially in the center of this map. 2 And how is it designated? Q. The El Tonto Unit is shown with a hatched 3 A. heavy border around the working interest unit. 5 I notice that in addition to the particular Q. field there are two other areas of colored dots shown on this 7 map. What are those? This map was introduced as Exhibit Number A. One in a hearing held before the Commission on December the 12th, 1979. It was Case Number 6756, in which Amoco requested 10 11 contraction of the Airstrip Bone Springs and the establishment of the Lower Bone Springs interval. I thought, therefor, 12 13 that this map would be appropriate for this hearing. 14 But the locations in the northwest and 15 southeast have no bearing on today's application. 16 Okay, and the Airstrip Field, I notice **Q**. 17 that there are eight wells with colored symbols on them. 18 would you describe what these symbols mean? --wiia -Yes, sir. We've used them to identify 20 Α. the Airstrip Field. The orange dots are the Airstrip Upper 21 Bone Springs producing horizons. The red dots identify 22 Wolfcamp completions and the green dots are wells completed 23 in the Alistrip Lower Bone Springs. 24 Would you briefly describe the historical 25 Q.

SALLY W. BOYD, C.S.R. Rt. 1 Box 193-B Santa Fc. New Merico 57501 Phone (305) 455-7409

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	1	pattern of development for this field?							
	2	A. Yes, sir. The Wolfcamp horizon was dis-							
	3	covered with the Amoco State "FU" Well No. 1, located in the							
SALLY W. BOYD, C.S.R. Rt. I Box 193-B Santa Fe, New Merico 17301 Phone (305) 435-7405	4	northeast southwest of Section 25 in 1975.							
	5	In 1979 Gulf discovered the Bone Springs							
	6	Pool with their State "YH" Well No. 1 in the southwest of							
	7	the southeast quarter of Section 25, and Amoco discovered the							
	8	Lower Bone Springs horizon in its State "FU" Well No. 2 in							
	9	September of 1979. That well is located in the southeast							
	10	southwest of Section 25.							
	11	Q. Okay. Is the subject matter of this							
	12	hearing indicated on this map?							
	13	A Yes, sir, it is identified the well							
	14	in question is identified with a heavy red arrow.							
	15	Q. Okay, Mr. Allen, you've indicated the							
	16	meaning of the symbols with colored dots in this area, but							
	17	I notice there are other symbols in this area with no colored							
	18	dots. What do they represent?							
	19	A. These are additional development underway							
	20	with Amoco at this time. The well located in the northeast							
	21	quarter of Section 25, the "FU" Well No. 4, is currently							
	22	drilling at approximately 9000 feet; to 10,800 to test the							
	23	two Bone Springs horizons in the Wolfcamp.							
	24	In addition we have three other locations							
	25	that have been staked, these being the No. 2 "HR" Well in							
		· · ·							

the northeast northeast of Section 36, and the No. 1 "IA" Well in the northwest northwest of Section 36, in addition to the No. 2 State "HQ" Well located in the northeast southeast of Section 26.

Q. Okay. I notice that the 1 "FU" and 2 "FU" Wells have symbols that appear to represent dual completions. Are they dually completed?

A No, sir, they're not dually completed. They are -- have been plugged back to the Upper Bone Springs; however, both the Wolfcamp and the Lower Bone Springs are productive in these two wells. They're isolated with a bridge plug at the present time.

Q. Okay, then there are no present dual completions in this field?

A. Not in the instant field at this time.
 Q. Okay. Does Amoco intend to seek admini strative approval to dually complete other wells in this
 field?

A. Yes, sir, the plans are to set 7-inch casing, if it is indicate, in the No. 4 Well, and of course, with three other locations other possibilities of dual completions in any two of these three horizons do present themselves.

Q Okay. Concerning this cultil do you have anything further?

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No, sir. Okay, Mr. Allen, I now direct your attention to Exhibit Number Two. What is Exhibit Two? It is a wellbore sketch of the State "HQ" Well No. 1, which is showing the tubular goods downhole in this well. Okay. What kind of casing program have you got? As shown on this sketch, we have 13-3/8th A. 10 surface casing set at 300 feet with cement circulated; 11 (Tape failure here briefly.) 12 TD set at 10,850 feet. The top of cement is calculated at 13 5610 feet. 14 Okay, would you briefly describe your Q. 15 tubing program? 16 A. Yes, sir, it is our plan to produce this 17 well through two strings of tubing, both being 2-3/8ths 10 inch tubing. They are also identified on this plat. Okay, would you describe the perfora-Q. tions in this well? 21 Yes, sir. The Upper Bone Springs oil A. 22 zone was perforated 9288 to 9337, noncontiguous. The Wolf-23 camp interval is perforated 10,626 to 694 feet, nonconti-24 guous, and a production packer is set to isolate the two 26 zones at 10,580 feet.

BALLY W. BOYD, C.S

Okay. Mr. Allen, were centralizers used 2 in this well? Yes, sir, they were, on the 7-inch casing A. 4 string 18 centralizers, commencing at 9000 feet, at appro-5 ximately 100-foot intervals from there to 10,850 feet, were used. Okay, have you run any production tests Q. on this well? Yes, sir, we have. The upper zone, or A. 10 the Upper Bone Springs initially potentialed flowing 359 11 barrels of oil a day, 34 barrels of water, with a gas/oil 12 ratio of 1103 cubic feet per barrel, with a tubing flowing 13 pressure of 500 psi. 14 The Wolfcamp horizon also initially 15 potentialed flowing for 30 barrels a day, 18 barrels of 16 water, with a gas/oil ratio of 1212 cubic feet per barrel; 17 however, tubing pressure flowing was only 50 pounds in this 18 zone and it's my opinion artificial lift will be required. 19 Okay. Where is the production type a 20 packer in this well set? 21 At 10,580 feet, between the two horizons. 22 Okay, Mr. Allen, is there anything else 22 you'd like to add to Exhibit Two? 24 No, sir. 28 Mr. Allen, I now direct your attention

W. BOYD, C.S.R. Rt. 1 Box 193-B Fe, New Meridoo 57301 one (305) 435-7409

to Exhibit Number Three. What is it?

A Exhibit Number Three is a copy of the compensated neutron formation density log run on the State "HQ" Well No. 1. On this log I have identified the top of the three Airstrip Fields; that is, the Upper Bone Springs, Lower Bone Springs, and Wolfcamp. In addition, the exact perforated interval for the Wolfcamp and Upper Bone Springs hus been added to this log.

Q Okay. If approval is granted by the Division to dually complete this well and it is thus completed, in your opinion can hydrocarbons from the Upper Bone Springs and Wolfcamp intervals be safely and efficiently produced through parallel strings of tubing?

A. In my opinion, yes, they can be.
 Q. Okay. Will the production type packer
 to be used effectively prevent communication between all
 productive zones in the subject well?

Yes, sir.

A.

MK. AFFELT: M. Examiner, I respectfully submit Exhibits One, Two, and Three, and the testimony of Mr. Allen as evidence to support Amoco' application, and pass the witness.

MR. STAMETS: The Exhibits will be ad-

Are there any questions of the witness?

ALLY W. BOYD, C. Rt. 1 Box 199-B 1

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12 1 REPORTER'S CERTIFICATE 2 I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conserva-5 tion Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability. Sally W. Bayd CSR BALLY W. BOYD, C.S 11 12 13 10 I do hereby carry that the foregoing Is a complete record of the proceedings in the Examiner hearing of Case No. 6773 hearthy me on 4-23 near by me on 17 ervation Division 18 20 21 22 23

0	2 OI: S'	STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION STATE LAND OFFICE BLDG. SANTA FE, NEW MEXICO 23 April 1980							
	5	EXAMINER HEARING							
		) ) of Amoco Production ) CASE a dual completion, Lea ) 6872 Mexico. ) )							
ALLY W. BOYD, C.S.R. Rt. 1 Box 193-8 Suala Fe, New Marico 17501 Phone (505) 455-7405	12	BEFORE: Richard L. Stamets TRANSCRIPT OF HEARING							
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7. **BOYD, C.S.F** 1 Box 193-B New Mexico 57301 1 (200) 454-7409

SALLT V. Rt. 1 Santa Fe, N Phone ( pattern of development for this field?
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northeast southwest of Section 25 in 1975.

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A. Yes, sir, it is identified -- the well
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W. BOYD, C.S.I Rt. 1 Box 193-B Fe, New Mexico 87501 ione (303) 455-7409 6

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W. BOYD, C.S U. I Box 193-B 4, New Markov 17301 Date (305) 435-7409 2

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MR. STAMETS: The Exhibits will be ad-

Are there any questions of the witness?

					Page					
	1	He may be excused.								
	2		Anything	further	in this	this case?				
	3		The c <b>ase</b>	will be	taken	under	adviseme	ent.		
	5		(Hearing	conclude	ed.)					
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ATWOOD, MALONE, MANN & COOTER A PROFESSIONAL ASSOCIATION

LAWYERS

JEFF D. ATWOOD [1883-1960] ROSS L. MALONE [1910-1974]

CELVE OIL CC. TER T.CY DI NER SANTA FE SETT SABIN ROBERT E. SABIN BRIAN W. COPPLE

RANDAL W. ROBERTS STEVEN L. BELL WILLIAM P. LYNCH P. O. DRAWER 700 SECURITY NATIONAL BANK BUILDING ROSWELL, NEW MEXICO 88201

April 15, 1980

[505] 622-6221

Mr. Joe D. Ramey, Director Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87501

Re: Examiner Hearing April 23

Dear Mr. Ramy:

Please file the enclosed Entry of Appearance in Case No. 6872 in behalf of Amoco Production Company.

Thank you and with regards,

Very truly yours,

Charles F. Malone

CFM:grt

Enclosure

cc: Guy Buell, Esquire (with enclosure)



# BEFORE THE OIL CONSERVATION DIVISION

# STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION ) OF AMOCO PRODUCTION COMPANY FOR ) DUAL COMPLETION, STATE "HQ" WELL ) NO. 1, UNIT P, SECTION 26, ) TOWNSHIP 18 SOUTH, RANGE 34 EAST,) LEA COUNTY, NEW MEXICO. )

Case No. 6872

# ENTRY OF APPEARANCE

The undersigned hereby enter appearance in behalf of Amoco Production Company with Guy Buell, Esquire and Jim Attelt, Esquire of Houston, Texas.

ATWOOD, MALONE, MANN & COOTER, P.A.

By

Post Office Drawer 700 Roswell, New Mexico 88201 Attorneys for Amoco Production Co.



# BEFORE THE OIL CONSERVATION DIVISION

# STATE OF NEW MEXICO

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ATWOOD, MALONE, MANN & COOTER, P.A.

Bv

Post Office Drawer 700 Roswell, New Mexico 88201 Attorneys for Amoco Production Co.

SHEET NO. OF Amoco Production Company FILE ENGINEERING CHART APPN DATE 4-14-80 STATE "HQ " No. 1 JCA 8Y AIR STRIP - Upper Bone Springs ! Woltcamp FIELDS, Lea Co., New Nexico Loc. 960 FSL; 330' FEL, Sec. 26, T-18-5, R-34-E ELEV: 3988.8 RDB 3974. 2 G.L. 13 18' CSA 302 CMT W/325° 5KS. CMT CIRC. 2 1/8" TLA e 9250 23/ TLA NO, TH CMT W/ 1550 5KS. C 95 CSA 4003' CMT CIRC. CALCULATED . STAMETS DIVISION -Parallel The STAM Action @ 9250 Pert. d. Bone Sprang NULLE 91.98'- 9337' OA WEXE Hearing 1)ate ድ Pert Woltcomp Submitted Fred. PSA 10,580'-CASE 10,626 - 10,684' OA 7" CSA 10, 850' CMT U/ 975 245. TENT 5610' CALCO. 10,799' C TD 10,856 Eas

SHEET NO. **Amoco Production Company** ENGINEERING CHART PPN SUBJECT STATE "HQ " No. 1 DATE 4-14-80 er TCA HIR STRIP - Upper Bone Springs ! Wolfcomp FIELDS, Lea G., New Nexico Loc. 960 FSL; 330' FEL, Sec. 26, T-18-3, R-39-6 ELEV: 3988.8 RDB . 3974. 2 G.L. 13/2' CSA 302'. CMT W/325 SKS. CANT CIRC. <21/8" TLA e 9250 23t" TLA R, NO C 9 % CSA 4002' CMT W/ 1550 5KS. CALCULATED TEN. 5610 CMT CIRC Pacallel The AMINER STAMETS RVATION DIVISION 20 Achor @ 9250' -Pert. U. Bone Spring 9288- 9337 OA å Mod. P.A. 10,580'-207 BEFORE CASE NO. Submitted Hearing Pert 10,626 - 10,694' PBD 1" CSA 10, 250'. CMT 4/ . . . . . . 975 EKS. TENT 5610' CALO. TD \_\_ 10, 256

SHEET NO. **Amoco Production Company** FILE ENGINEERING CHART APPN JECT STATE "HO" NO. 1 DATE A-M-80 JCA MIR STRIP - Mapper Bone Springs ! **BY** Notternp FIELDS, Lea Go., New Nexico Loc. 960 FSL; 330' FEL, Sec. 26, T-18-5, 2-34-6 ELEV: 3988 & ROB 3974. 2' G.L. 13/8' CSA 302' CMT W/325 SKS. CMT CIRC. <2%" TLA e 9250' 23/ TLA N. 700-9 % CSA 1002' CMIT W/ 1550 5KS. CMT CIRC CALCULATED TONT 5610 Parallel The METS 1SION Achor @ 9250' N N Pert. U. Bone Sprans 40 9288'- 9337' OA EXHIBIT NO fearing Dat Prod. PSA 10,580'-07 BEFORE E OIL CONSI CASE NO. Submitted | Pert 10,626'- 10,694' OA PBD 10,799' 7" CSA 10, 850 . CMT W/ 975 3KS. TENT 5610' CALO. TD 10, 256 EGENELISSEO) HO CONTRACT FC, New Mexico I told amore this would have to go for hearing, and earliest date in 4/23. They thought that would be OK but will call back. Carl



# Amoco Production Company

Post Office Box 68 Hobbs, New Mexico 88240

V. E. Staley District Superintendent

March 11, 1980

File: VES-986.51-327

Case 6872

Re: Application for Multiple Completion State "HQ" Well No. 1

Of1 Conservation Division of The New Mexico Department of Energy and Minerals P. O. Box 2088 Santa Fe, NM 87501

Gentlemen:

Amoco Production Company requests administrative approval for multiple completion of our State "HQ" Well No. 1. The subject well is located 960' FSL and 330' FEL, Unit P, Section 26, T-18-S, R-34-E, Lea County, New Mexico. The multiple completion will be made in the Undesignated Airstrip Bone Springs (Upper Zone) and in the Undesignated Airstrip Wolfcamp (Lower Zone) both as oil wells. The methods of production will be flowing for the upper zone and artificial lift for the lower zone.

We have notified the offset operators by certified mail requesting their consent for this multiple completion. Enclosed is a diagrammatic sketch of the multiple completion, a plat, and certified mail receipts showing that the offset operators have been contacted. Your favorable response to this application would be greatly appreciated.

Yours very truly,

Attachments

cc: Mr. S. J. Okerson Houston, TX

> NMOCD P. O. Box 1980 Hobbs, NM 88240


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

Form C-107 5-1-61

Operator		County	· · · · · · · · · · · · · · · · · · ·	Date	
Amoco Production Com	nany	Lea		March 12, 1980	
Address	pany	Lease		Well No.	
P. O. Box 68 - Hobbs	NM 88240	Sta	te "HQ"	1	
	Section	Township		Range	
of Well P	26	18	-5	34-E	
. Has the New Mexico Oil Conserva	tion Commission heretofo	ore authorized the n	nultiple completion of	a well in these same pools or .	in the sam
zones within one mile of the subje	ct well? YES	<u>NO X</u>	,		
. If answer is yes, identify one such	h instance: Order No		; Operator Lease, an	d Well No.:	
. The following facts are submitted:	Opper		Intermediate	Lower	
	Zone		Zone	Zone	
a. Name of Pool and Formation	Bone Spri	ings		Wolfcamp	ı
b. Top and Bottom of					
Pay Section					
(Perforations)	9288' - 9	9337'		10626' - 10	694 '
c. Type of production (Oil or Gas	<u>0i1</u>		· · · · · · · · · · · · · · · · · · ·	0i]	
d. Method of Production				-	
(Flowing or Artificial Lift)	Flowir	ng	·	Artificial	Lift_
. The following are attached. (Pleas	se check YES or NO)	•			
X       b. Plat showing the of operators of all         X       c. Waivers consentint tors have been fut         X       d. Electrical los of the future of th	location of all weils on a leases offsetting applica g to such multiple compl rnished copies of the app the well or other accepta (f such log is not availabl ase on which this well is	applicant's lease, a ant's lease. letion from each of plication.* able log with tops le at the time appli	all offset wells on of fset operator, or in li and bottoms of produ cation is filed it sha with their correct mail	such other information as may b ifset leases, and the names and eu thereof, evidence that said o cing zones and intervals of per ll be submitted as provided by 1 ing address.	d address offset ope
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	rch 12, 1980	·•			s yes, gi
CERTIFICATE: I, the undersign Company under my supervision and direction a	(company), and that I a	un authorized by sa	id company to make t rect and complete to	his report; and that this report w the best of my knowledge.	ras prepa

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

Signature

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard protation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application. Bass and Richardson Vaughn Bldg. P. O. Box 2760 Midland, TX 79702

Coquina Oil Corporation P. O. Drawer 2960 Midland, TX 79702

Texas Oil & Gas Corporation 900 Wilco Bldg. Midland, TX 79701

Gulf Oil Corporation P. O. Box 670 Hobbs, NM 88240

Anadarko Production Company P. O. Box 2497 Midland, TX 79702

The Wiser Oil Company 1610 C & I Building Houston, TX 77002

HNG 0il Company P. 0. Box 2267 Midland, TX 79702

Form C-107 5-1-61

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

		County		Date	rch 12, 1980
		L	59	Well No.	
rator Company		1			1
		S	tate "HQ"	Range	
Amoco Produce ress P. O. Box 68 - Hobbs, NM Cation Unit t well P Has the New Mexico Oil Conservation C Has the New Mexico Oil Conservation C Has the New Mexico Oil Conservation C	88240	ownship			34-E
P. O. Box 68 - HOUDS			18-5	ion of a well in	these same poors of a
ration Unit	26	authorized	he multiple complet.		
t Well P	Commission heretoroic	NO X	I ea	se, and Well No	.:
Has the New Mexico Oil Constitution	III? YES		; Operator Lee		
Has the New Mexico Oil Conservation Zones within one mile of the subject we If answer is yes, identify one such inst	ance: Order No				Lower
If answer is yes, identify one			Intermedi	ate	Zone
	Upper	_	Zone		Wolfcamp
. The following facts are submitted:	Zone				
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b. Top and Decion Pay Section		9337'			Artificial Lift
	<u>), 100</u> 011				Artificial
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Mathod of Producer	Flow	109			diameters and setting depths, central- ted intervals, tubing strings, including other information as may be pertinent. leases, and the names and addresses
d. Method of Production (Flowing or Artificial Lift) 4. The following are attached. (Please	e check YES or NO)			including d	diameters and setting depths, central- ted intervals, tubing strings, including other information as may be pertinent. leases, and the names and addresses nereof, evidence that said offset opera-
The following are attached. (Freue		value sh	wing all casing stru	cement, perfora	ted intervals, con as may be perturbative other information as may be perturbative leases, and the names and addresses mereof, evidence that said offset opera- szones and intervals of perforation in- submitted as provided by Rule 112-A.)
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X b. Plat of operators of all	ng to such multiple the	application	and botton	ms of producing	leases, and the mean of the said offset opera- g zones and intervals of perforation in- e submitted as provided by Rule 112-A.) address.
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Coquina Oil Corporation P. O. Drawer 2960 Midland, TX 79702

Texas Oil & Gas Corporation 900 Wilco Bldg. Midland, TX 79701

Gulf Oil Corporation P. O. Box 670 Hobbs, NM 88240

Anadarko Production Company P. O. Box 2497 Midland, TX 79702

The Wiser Oil Company 1610 C & I Building Houston, TX 77002

HNG Oil Company P. O. Box 2267 Midland, TX 79702

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## NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

### Form C-192 Supersedes C-128 Elfocsive 14+89

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Amoco Production Company Post Office Box 68 Hobbs, New Mexico 88240

V. E. Staley District Superintendent

March 11, 1980

File: VES-986.51-334

Re: Waivers Consent for Multiple Completion State "HQ" Well No. 1

HNG Oil Company P. O. Box 2267 Midland, TX 79702

Gentlemen:

We are requesting your approval, as an offset operator, for the multiple completion of our State "HQ" Well No. 1, 960' FSL and 330' FEL, Section 26, T-18-S, R-34-E, Lea County, New Mexico. We have filed with the NMOCD in Santa Fe an application for multiple completion in the Undesignated Airstrip Bone Springs (Upper Zone) and in the Undesignated Wolfcamp (Lower Zone) both as oil wells. Please approve and return a signed copy of this letter to this office and one to the NMOCD in Santa Fe. Selfaddressed envelopes are enclosed.

Yours very truly,

ORIGINAL SIGNED BY V. E. STALEY

Approved: HNG OilGonge Date: 3. 4-80

ENCIOSURES

cc: NMOCD P.O. Box 2088 Santa Fe, NM 87501





Amoco Production Company Post Office Box 68 Hobbs, New Mexico 88240

V. E. Staley District Superintendent

March 11, 1980

File: VES-986.51-329

Re: Waivers Consent for Multiple Completion State "HQ" Well No. 1

Coquina Oil Corporation P. O. Drawer 2960 Midland, TX 79702

Gentlemen:

We are requesting your approval, as an offset operator, for the multiple completion of our State "HQ" Well No. 1, 960' FSL and 330' FEL, Section 26, T-18-S, R-34-E, Lea County, New Mexico. We have filed with the NMOCD in Santa Fe an application for multiple completion in the Undesignated Airstrip Bone Springs (Upper Zone) and in the Undesignated Wolfcamp (Lower Zone) both as oil wells. Please approve and return a signed copy of this letter to this office and one to the NMOCD in Santa Fe. Selfaddressed envelopes are enclosed.

Yours very truly,

ORIGINAL SIGNED

Approved: By: Date:

Enclosures

cc: NMOCD P.O. Box 2088 Santa Fe, NM 87501

BASS ENTERPRISES PRODUCTION CO. DIVISION PRODUCTION OFFICE P. O. BOX 2760 MIDIAND, TEXAS 79702

March 18, 1980

Re: Request for Waiver of Objection for Multiple Completion Amoco Production Company State HQ Well No. 1 Airstrip (Bone Springs) Pool Undesignated (Wolfcamp) Pool Lea County, New Mexico File: Outside Operated

EIVEI

OIL CONSERVATION DIVISION SANTA FE BOOVADGHN BUILDING

New Mexico Oil Conservation Division Box 2088 Santa Fe, New Mexico 87501

Gentlemen:

Bass Enterprises Production Company, as offset operator to the captioned well, hereby waives objection to administrative approval for multiple completion as described below and in the attachments:

Amoco Production Company, State HQ Well No. 1 960' FSL and 330' FEL, Section 26, T18S, R34E Lea County, New Mexico Zones for multiple completion: Airstrip (Bone Springs), Undesignated (Wolfcamp),

Both as oil wells.

Very truly yours,

J. E. Pullig **Division Manager** 

JEP:RMC/gp

CC: Among Production Co. Jim Greve, Ft. Worth



OIL CO. SANTA FS JN ISION

130

V. E. Staley District Superintendent

March 11, 1980

File: VES-986.51-332

Re: Waivers Consent for Multiple Completion <u>State "HQ" Well No. 1</u>

Anadarko Production Company P. O. Box 2497 Midland, TX 79702

Gentlemen:

We are requesting your approval, as an offset operator, for the multiple completion of our State "HQ" Well No. 1, 960' FSL and 330' FEL, Section 26, T-18-S, R-34-E, Lea County, New Mexico. We have filed with the NMOCD in Santa Fe an application for multiple completion in the Undesignated Airstrip Bone Springs (Upper Zone) and in the Undesignated Wolfcamp (Lower Zone) both as oil wells. Please approve and return a signed copy of this letter to this office and one to the NMOCD in Santa Fe. Selfaddressed envelopes are enclosed.

Yours very truly,

Junai Approved: ANKOARKO By: Date:

Enclosures

cc: NMOCD P.O. Box 2088 Santa Fe, NM 87501



V. E. Staley District Superintendant

March 11, 1980

File: VES-986.51-333

Re: Waivers Consent for Multiple Completion State "HQ" Well No. 1

The Wiser Oil Company 1610 C & I Building Houston, TX 77002

Gentlemen:

We are requesting your approval, as an offset operator, for the multiple completion of our State "HQ" Well No. 1, 960' FSL and 330' FEL, Section 26, T-18-S, R-34-E, Lea County, New Mexico. We have filed with the NMOCD in Santa Fe an application for We have filed with the NMOCD in Santa Fe an application for multiple completion in the Undesignated Airstrip Bone Springs (Upper Zone) and in the Undesignated Wolfcamp (Lower Zone) both as oil wells. Please approve and return a signed copy of this letter to this office and one to the MMOCD in Santa Fo letter to this office and one to the NMOCD in Santa Fe. Selfaddressed envelopes are enclosed.

Yours very truly,

THE WISER OIL COMPANY

Amoco Production Company

Post Office Box 68 Pobbs. New Mexico 88240

MAR 2 1 1980

OIL CONSERVATION DIVISION

ORIGINAL SIGNED BY V. E. STALEY

Approved: / damp / / By:

Date: 3-18-80

cc: NMOCD P.O. Box 2088 Santa Fe, NM 87501

# OIL CONSERVATION DIVISION DISTRICT I

F. O. DOX 2000         SANTA FE, NEW MEXICO 87501         RE:       Proposed MC         Yroposed NSL         Proposed NSL         Operator         Lease and Well No.         Unit, S - T - R         and my recommendations are as follows:         O.KJ.S.	OIL CONSERVATION DIVISION P. O. BOX 2088		DATE	March 17,	1980
Sentlemen: have examined the application for the: <u>Amoco Production Co</u> State HDTC: MAJON P 26-18-34 Operator Lease and Well No. Unit, S - T - R and my recommendations are as follows: O.KJ.S.	SANTA FE, NEW MEXICO 87501		Pr Pr Pr Pr Pr	oposed DHC oposed NSL oposed NSP oposed SWD oposed WFX	. X
Derator Lease and Well No. Unit, S - I - R and my recommendations are as follows: 0.KJ.S.	have examined the applic	ation for the	1900		
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	James Leving,				
	mc	- - -			



PERCE HOUSE IN

Amoco Production Company Post Office Box 68 A Hobbs, New: Mexico 88240

S'ON

V. E. Staley District Superintendent

March 11, 1980

File: VES-986.51-330

Re: Waivers Consent for Multiple Completion State "HQ" Well No. 1

ON CC

Texas Oil & Gas Corporation 900 Wilco Building Midland, TX 79701

Gentlemen:

We are requesting your approval, as an offset operator, for the multiple completion of our State "HQ" Well No. 1, 960' FSL and 330' FEL, Section 26, T-18-S, R-34-E, Lea County, New Mexico. We have filed with the NMOCD in Santa Fe an application for multiple completion in the Undesignated Airstrip Bone Springs (Upper Zone) and in the Undesignated Wolfcamp (Lower Zone) both as oil wells. Please approve and return a signed copy of this letter to this office and one to the NMOCD in Santa Fe. Selfaddressed envelopes are enclosed.

Yours very truly,

ORIGINAL SIGNED BY V. E. STALEY

Approved por Oild be Corp. By: Date: 3/19/80

Enclosures

cc: NMOCD P.O. Box 2088 Sunta Te, NM 67501

NOUGH       STATE OF NEW MEXICO         dr/       DIL CONSERVATION DIVISION         dr/       IN THE MATTER OF THE HEARING         CALLED BY THE OIL CONSERVATION       DIVISION         DIVISION FOR THE PURPOSE OF       Order NO. R-6872         ORDER NO.       GREE NO.         APPLICATION OF       AMOCC PRODUCTION COMPANY         FOR A       DUAL         COMPLETION,       LEA         DOUNTY       NEW MEXICO.         ORDER OF THE DIVISION       ORDER OF THE DIVISION         W       ORDER OF THE DIVISION         BY THE DIVISION:       This cause came on for hearing at 9 o'clock a.m. on         April 23       , 19 80       , at Santa Fe, New Mexico, before         Examiner       Richard L. Stamets       , 19g0       , the         Division Director, having considered the testimony, the record,       Ind 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       Inter thereof.       (2) That the applicant, <u>Amoco Production Company</u> , seeks authority to complete its State "HO" Well No. 1
CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING: CASE NO
Order No. R- <u>6337140</u>
FOR ADUALCOMPLETION,LEA
This cause came on for hearing at 9 o'clock a.m. on <u>April 23</u> , <u>19 80</u> , at Santa Fe, New Mexico, before Examiner <u>Richard L. Stamets</u> NOW, on this <u>day of</u> , <u>1980</u> , the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises, <u>FINDS</u> : (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, <u>Amoco Production Company</u> ,
<pre>Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises, <u>FINDS:</u> (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, <u>Amoco Production Company</u>,</pre>
<pre>in the premises, <u>FINDS</u>: (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, <u>Amoco Production Company</u>,</pre>
<pre>Law, the Division has jurisdiction of this cause and the subject matter thereof. (2) That the applicant,Amoco Production Company,</pre>
Wellx Moxxxxxx ; located in Unit P of Section 26 , Town-
county, New Mexico, as a dual completion (conventional) to (combination) (tubingless)
xettx produce xgasxxfremxthex Bone Springs and Wolfcamp oil through parallel strings of tubing.

(3) That the mechanics of the proposed <u>dual</u> 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, <u>Amoco Production Company</u>, is hereby authorized to complete its <u>State "HO"</u>
Well No. <u>1</u>\_\_\_\_, located in Unit <u>P</u> of Section <u>26</u>\_\_\_\_, Township <u>18 South</u>, <u>Range <u>34 East</u>, <u>NMPM</u>, <u>Lea</u>
County, New Mexico, as a <u>dual</u> <u>completion(conventional)</u> <u>-{combination}</u></u>

--- (tubingless)-

to produce gane x & Bone Springs and Wolfcamp oil through parallel strings of tubing. With Separa tion of, The zones to be callieved by means of a packer set at approximately 10.580 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 <u>peopler leakeg</u> tests upon completion and annually thereafter during the Annual <u>Ges - 0:/ Ravio</u> Test Period for the <u>wedges</u> Wolf camp Pool <u>Pool</u>

(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.