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Amoco Production Company

Houston Region 501 WestLake Park Boulevard Post Office Box 3092 Houston, Texas 77253

Received

JUL 1 0 1989

CIL CONSERVATION DIV.

LAN.A FE

Case 9747

James F. Trickett Regional Environmental, Safety & Regulatory Affairs Manager

July 6, 1989

William J. LeMay, Director State of New Mexico Energy and Minerals Department Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

File: WGW-5841-986.51NM

Gentlemen:

Downhole Commingling Authority Federal DH Gas Com Well No. 1 Scoggins Draw Strawn and Morrow Pools Section 11-18S-27E, Eddy County, New Mexico

Amoco Production Company respectfully requests administrative approval to commingle production from the Scoggins Draw Strawn and Scoggins Draw Morrow pools downhole in our Federal DH Gas Com Well No. 1, Section 11-18S-27E, Eddy County, New Mexico.

The subject well was drilled as a wildcat in 1984 to a total depth of 11,915' in the Ellenburger formation. The Ellenburger and the Silurian (both wildcat zones) tested wet and the initial completion was made in the Strawn over the interval 9295'-9308'. The well had an initial shut-in bottom hole pressure of 3476 PSIG on October 10, 1984, and initially tested 74 Barrels Condensate, 0.5 Barrels Water and 3932 MCFD, with a Flowing Tubing Pressure of 1605 PSIG on October 15, 1984. Following the test on October 15, 1984 a shut in bottom hole pressure of 2694 PSIG was recorded. Due to a lack of market, the well was not connected to a pipeline and produced until November, 1986. The initial sales rate of 1275 MCFD at 1300 PSIG rapidly declined to approximately 30 MCFD at 50 PSIG FTP by January, 1987. The shut-in bottom hole pressure declined from 2567 PSIG (shut-in tubing pressure of 840 PSIG) on November 7, 1986 to 643 PSIG (shut-in tubing pressure of 380 PSIG) on December 3, 1986. The well has been shut-in since January 1987. Cumulative production from this well is estimated at 30 MMCF.

WGW-5841-986.51NM Page Two

The estimated bottom hole pressure in the Morrow is 2500 PSI, assuming that some drainage has occurred. Virgin pressure is estimated at 3700 PSI. Estimated reserves in the Morrow are 546 MMCF based on pore volume calculations and the estimated initial rate is 800 MCFD. The shut-in BHP in the Strawn is less than 50% of the shut-in BHP in the Morrow. However, the Strawn zone appears to be extremely limited in lateral extent. Although some gas will flow into the Strawn from the Morrow horizon, pressure equalization should occur very rapidly and no loss of reserves should result.

Amoco's intent, in down hole commingling, is to recover the remaining reserves in the Strawn which otherwise may not be produced due to economic restraints and reduce the recompletion cost associated with the cement squeeze, drill out and recompletion to the Morrow. Attached, in support of our application, are Forms 3160-3, C-102, wellbore sketch and production data for the Strawn Formation.

Should you have any questions, please contact J.C. Collier at 713-556-3371 or Mary Corley at 713-556-4491 of our Regulatory Affairs Section.

Yours very truly,

pmer J. Frickett Jun MLC/cat

Attachments

J. T. Sexton, Supervisor P. O. Box 1960 Hobbs, New Mexico 88240

FEDERAL	DH	GAS	COM	NO.	1
STRAWN	929	95' -	- 930)8'	
PERFO) RM/	INCE	DATA	Į	

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		F ERFORT	HICE DATA	
DATE	WELL STATUS	RATE	PRESSURE	MEASUREMENT POINT
10/11/84	SI		2658 PSIG	9130'
10/15/84	FLOW	3932 MCFD	1605 PSIG	WELLHEAD - TUBING
10/16/84	SI	.	2694 PSIG	9130'
11/06/86	SI		2567 PSIG	9130'
11/13/86	FLOW	1275 MCFD	1300 PSIG	WELLHEAD - TUBING
11/18/86	FLOW	1005 MCFD	975 PSIG	WELLHEAD - TUBING
12/03/36	SI		643 PSIG	9130'
12/10/86	FLOW	589 MCFD	90 PSIG	WELLHEAD - TUBING
12/16/86	FLOW	236 MCFD	90 PSIG	WELLHEAD - TUBING
01/13/87	FLOW	30 MCFD	50 PSIG	WELLHEAD - TUBING
01/26/87	SI		5 PSIG	9130'

Form 3160-3 (November 1983) (formerly 9-331C)	DEPARTMENT	ED STATES	NTERIOR	SUBMIT IN TR (Other instruc reverse si	ctions on	 Form approved. Budget Bureau I Expires August 5. LEASE DESIGNATION NM 29272 	31, 1985
	N FOR PERMIT		DEEDEN C	RPLUGR	ACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1a. TYPE OF WORK		DEEPEN		PLUG BAG		7. UNIT AGREEMENT NA	MB
	AS X OTHER			MULTIP ZONE	LEX	8. FARM OR LEASE NAM	
2. NAME OF OPERATOR						Federal-DH-Ga	s Com
Amoco Product	ion Company					9. WELL NO.	
3. ADDRESS OF OPERATOR							
	, Houston, TX 7					10. FIELD AND POOL, OF	R WILDCAT
At surface	eport location clearly and			irements.*)		Scoggins Draw	
700'	FSL x 990' FWL	(Unit M, SW	/4 SW/4)			11. SEC., T., R., M., OR B AND SURVEY OR AR	LK. Ga
At proposed prod. zon	ie					11-18-27	
	AND DIRECTION FROM NEAD		r office*			12. COUNTY OR PARISH	
14 miles sou	theast of Artes	ia, NM				Eddy	NM
15. DISTANCE FROM PROPO LOCATION TO NEARES: PROPERTY OR LEASE I (Also to nearest drig	I LINE, FT.	698'	16. NO. OF ACE 320			DF ACRES ASSIGNED HIS WELL 320	
18. DISTANCE FROM PROP TO NEAREST WELL, D			19. PROPOSED I		20. ROTA	RY OR CABLE TOOLS	·
OR APPLIED FOR, ON TH			11,9:	.5		Rotary	
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)					22. APPROX. DATE WO	EK WILL START*
3546.0'	GR					7-1-89	
23.	F	PROPOSED CASIN	IG AND CEME	NTING PROGRA	M		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	DOT SET	TING DEPTH	1	QUANTITY OF CEMEN	 Т
17 1/2"	13 3/8"	48#		i02'		700 SKS.	· · · · · · · · · · · · · · · · · · ·
12 1/4"	9 5/8"	36#		200'		1400 SKS	
7 7/8"	5 1/2"	15.5 & 1	7# 119	15'		2720 SKS.	<u> </u>

Propsed downhole commingle Scroggins Draw Morrow with Scroggins Draw Strawn. Perf Morrow Formation at 9834'-9846' as per attached well bore sketch.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. 111 TITLE Sr. Adm. Analyst 6/30/89 DATE SIGNED _ (This space for Federal or State office use) APPROVAL DATE PERMIT NO. APPROVED BY __ TITLE . DATE .

CONDITIONS OF APPROVAL, IF ANY :

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false. fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: If there are no applicable State requirements, locations on Federal or Indian Isend should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

ITEM 22: Consult applicable Federal or State regulations, or appropriate officials, concoming approval of the proposal before operations are started.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR Part 3160.

PRINCIPAL. PURPOSE: The information is to be used to process and evaluate your application for permit to drill, deepen, or plug back an oil or gas well. ROUTINE USES: (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of ment and the projected impact on the land involved. (3) The evaluation of the effects of

the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions, as well as routine regulatory responsibility.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if the lessee elects to initiate drilling operation on an oil and gas lease.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications. Response to this request is mandatory only if the lessee elects to initiate drilling opera-

tions on an oil and gas lease.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Р. О. ВОХ 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

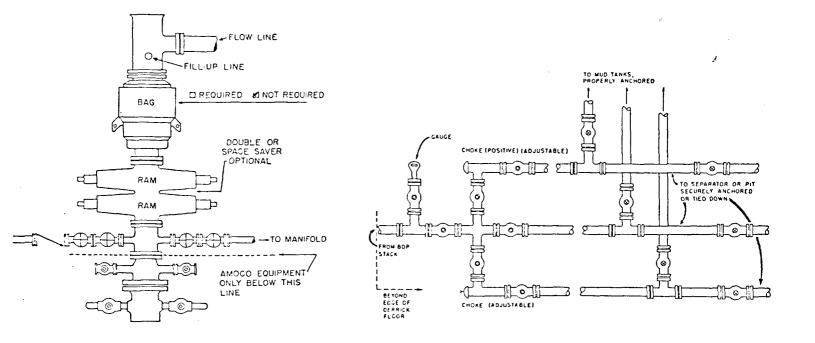
•			All dist	ances must be I	rom I	ne outer bound	aries of t	he Section				
Operator AMOCO	PROD	UCTION (COMPANY		Leas	Federa	1 "DH"	Gas Co	omm.		Well No.	1
Unit Letter M	Secti	on 11	Township	18 South		Hange 27 E	ast	County	Eddy			
Actual Footage Loca 990		from the	West	line and		698	feet	from the	South	11	ne	
Ground Level Elev. 3546.0		Producing F	Formation		Pool					Dedicate	ad Acreage: 320	Acres
1. Outline the	e acr	cage dedi	cated to th	e subject wo	ell by	y colored pe	encil or	hachure	marks on t	he plat h	pelow.	
2. If more th interest an			is dedicated	to the well	l, ou	lline each a	nd iden	tify the	ownership t	hereof (1	both as to	working
3. If more tha dated by co				wnership is o , force-pooli			well, h	ave the	nterests o	f all own	ners been	consoli-

X Yes No If answer is "yes," type of consolidation _____ Communitization

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 Division.

Armoco Production to		8	CERTIFICATION
	sin Drew	ARTICIPATION: Company 37.5% Mpany 37.5%	I hereby certify that the information con- tained herein is true and complete to the best of my knowledge and belief. Mary L. Corley Name Sr. Admin. Analyst Position Amoco Production Company Company 6/30/89 Date
NM 29272 160 Ac.	NM 36496 40 Ac.	NM 41643 80 Ac.	I hereby cerdin that the well-location
(SW) ² 4) 	(NW/4 of SE/4)	(E/2of SE/4) -	shown on this plat we plotted from hield notes of actual surveys, made by me or under my supervision, and that the same is true and correct to the best of my knowledge and blief.
990', /	NM 51832 40 Ac. (SW/4 of SE/4)		May 10 & 1999 Date Surveyed JOHN N. WILSON
698'			Registered Land Surveyor
0 330 660 90 1320 1660 1981/ 2310 26	40 2000 1500	1000 500 0	Servillate No. 7475



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Elevations кв: 3566 -Amoco Production Company Diagrammatic Sketch DF: 3565 ' Well: Federal "DH" Gas Com Well No. 1 GL: 3546 Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) Current Wellbore 5-18-84; Well spudded. B31 of 20" 52,74# csg cemented with B yards redimix. 26-841 /3 38" CSA 500' in 175 " Hole "700 sx class & comento 61-84,958" CSA 2200' 12 " Hole, DV tool at 973! ON TOOL AT 973' Cost 1st stage with 9505 Ì. Class C Neat. Displace cont 7160 bus, Cite 199 sx to pit Open DV tool. Prop 100 bbl of 14.4 mud and 450 sx class Com with 2% calcium chloride. Circ 106 sx cryt. Disp w773 bfw. 8-4-84: 54" CSA 11915 1 778" hole. DV tool at 6417. DV TOOL AT 6417' Cont 1st stage with 420 5x class & Lite with additives Strawn and with 900 sx class H with Perfs 9295'-9308' additives. Open DV tool and tire 73 5x Cmt 2nd stage with 1,000 5x Class H with CIBP @ 10700' Cap w/ 35' CMT additives and with 400 sx Silurian Class H Neat. Circ 218 sx to pit Perfs 10774-10792 CIBP@ 11610' Chp w/ 35' CMT Ellenburger Perf 11645-11908 (ron Continuous) TD 11,915-

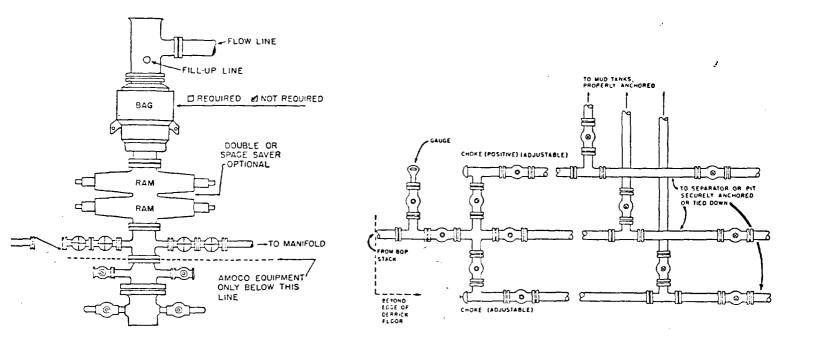
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21. EXAMPLONE (Show whether DP. RT. GR. etc.) 22. APPROX. DATE WOLK WILL ST 3546.0' GR 7-1-89 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE SIZE OF CASING AND CEMENTING PROGRAM 17. 1/2" 13.3/8" WEIGHT FEE FOOT SETTING DEFTH COASTITY OF CEMENT 17. 1/2" 13.3/8" 48# 2200' 1400 SKS 700.SKS. 12. 1/4" 9.5/8" 36# 2200' 1400 SKS 770.SKS. 7. 7/8" 5.1/2" 15.5 & 17# 11915' 2720 SKS. PROPOSED COMMING DECOMMING THE SCOOD SHAW NOTION WITH SCROOD SHAW. Perf Morrow Formation at 9834'-9846' as per attached well bore sketch. JUL 10 1989 OLL CONSERVATION DUV. APPROVE STACE DESCRETE PROPOSED PROGRAM : 12 proposal is to deepen or plug back, size data on present productive scale and proposed new productive block scale of Federal	TO NEAREST WELL, DI	RILLING, COMPLETED,		19. PR			20. ROTA		
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PROPOSED CASING AND CEMENTING DEPTH GUARTITY OF CEMENT 17 1/2" 13 3/8" 4/8# 502' 700 SKS. 12 1/4" 9.5/8" 36# 2200' 1400 SKS. 17 1/2" 13 3/8" 4/8# 502' 700 SKS. 12 1/4" 9.5/8" 36# 2200' 1400 SKS. 7 7/8" 5 1/2" 15.5 & 17# 11915' 2720 SKS. Propsed downhole commingle Scroggins Draw Morrow with Scroggins Draw Strawn. Perf Morrow Formation at 9834'-9846' as per attached well bore sketch. JUL 10 1989 JUL 10 1989 CL CCMSENTATION DIV. MULT of deepen directionally, give pertinent data on subsurface locations and measured and true vertical deptile. Give bit preventer program. If any. Store for Federal or State office use) PERMIT NO. APPROVAL DATE APPROVAL DATE APPROVAL DATE	3546.0'	GR						7-1-8	39
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OIL CONSERVATION DIVISION STATE OF NEW MEXICO P. O. BOX 2088 ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

			om the outer boundaries	d the pretion.		
Operator AMOCO	PRODUCTION CON	IPANY	Federal "D	H" Gas Comm.		Well No. 1
Unit Letter M	Section 11	Township 18 South	Hange 27 East	County	у	
Actual Footage Loca 990		est line and	698	set from the Sor	uth	line
Ground Level Elev. 3546.0	Producing For	nation	Pool		Dedico	aled Acreage: 320 Acres
1. Outline the	e acreage dedicat	ed to the subject we	ll by colored pencil	or hachure mar	ks on the plat	below.
2. If more that interest and		dedicated to the well	, outline each and id	entify the own	ership thereof	(both as to working
		fferent ownership is o nitization, force-poolin		, have the inter	rests of all ov	wners been consoli-
X Yes	No If an	swer is "yes," type of	consolidation	Communit	ization	
	s "no;" list the c necessary.)	wners and tract desci	iptions which have a	actually been c	onsolidated. (Use reverse side of
		d to the well until all or until a non-standard				
	1		1		CERT	IFICATION
					tained herein is t best of my knowle	hat the information con- rue and complete to the edge and batief. M MUL 124
·		Amoco Pro Hondo Oil	B Gas Colinpany 37	— — — — — — — — — — — — — — — — — — —	Sr. Admin. Stiton Amoco Produ mpany 6/30/89	Analyst uction Company
NA	M 29272	NM 3649	1 6 NM 410	643		BE LCC
	160 Ac. (SW/4)	40 Ac. (NW/4ofSl	80 A	lc. 5E/4) I 	shown of this bla notes of octual s	that the well-focation is werplaited from hield tryeys, made by metor ton, and that the some error the best of my liel.
<u>990'</u>		NM 5183, 40 Ac. (SW/4 of S			te Surveyed	LSON
0 330 660 90	0 1320 1650 1984	2310 2640 2000	1500 1000		ficate No. 74	175



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Elevations -Amoco Production Company кв: 3566 🥤 Diagrammatic Sketch DF: 3565 ' Woll: Federal "DH" Gas Com Well No. 1 GL: 3546-Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) Current Wellbore 5-18-84; Well spudded. 331 of 20" 52,74#1) csg cemented with B yards redimix. 526841 13 38" CSA 500' in 17 " Hale "700 sx class & cement. 6-1-84,95-8" CSA 2200 in 12' Hole, DV tool at 973! DV TOOL AT 973' Crat 1st stage with 950 50 Class C Negt Displace ant i. 17160 bur. Cite 199 sx to pite Open DV tool. Prop 100 bbl of ł 14.4 mud and 450 sx class Cont with 2% calcium chloride. Circ 106 sx cont. Disp 4773 6fw. 8-4-84: 54" CSA 11915 1 728" hole. DV tool at 6417. DV TOOL ATT 6417' Cont 1st stage with 420 5x Class & Lite with additives Strawn and with 900 5x class At with Perfs 9295'-9308' additives. Open DV took and circ 73 5x Cmt 2 stage with 1000 5x Class H with CIBP @ 10700' Cap w/ 35' CMT additives and with 400 sx Class H Neat. Circ 218 sx to pit. Silurian Perfs 10774-10792 CIBP@ 11610' Cop w/ 35' CMT Ellenburger Perf 11645-1908 (ron Continuous) TD 11, 915-i

Elevations Amoco Production Company кв: 3566 -Diagrammatic Sketch DF: 3565 ' Well: Federal "DH" Gas Com Well No. 1 GL: 3546 Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) Proposed Wellbore Π 5-18-84; Well spudded. 331 of 20"52,74#1) csg cemented with Byards redimix. 5-26-841 /3 38" CSA 500' in 175 " Hale "7700 sx class C cemento 61-84,95%" CSA Z200' in 12' hole, DV tool at 973! DV TOOL AT 973' Cont 1st stage with 950 50 Class C Negt. Displace conti 1 W7160 bus. Cire 199 sx to pits Y Open DV tool. Prop 100 bbl of 14.4 mud and 450 sx class Cont ţ with 2% calcium chlorida, Circ 106 sx cont. Disp 1773 6fw. 8-4-84:54" CSA 11915 1 728" 1 bole. DN tool at 6417. DV TOOL ATT 6417' Cont 1st stage with 420 sx Class A Lite with additives Strawn Perfs 92.95 - 9308 and with 900 5x class H with additives. Open DV tool and Morrow circ 73 5x Cmt 2nd stage Perts 9834'-9846' with 1000 5x Class H with CIBP @ 10700' Cap w/ 35' CMT additives and with 400 sx Silurian Class H Neat. Circ 218 sx to pit. Perfs 10774-10792 CIBP@ 11610' Cap w/ 35' CMT Ellenburger Pert 11645-1908 (non Continuous) J TD 11,9151

Form 3160-3 (November 1983) (formerly 9-331C)		TED STATE		(0)	MIT IN TRIPL ther instruction reverse side)		Form app Budget 1 Expires	Bureau N August 3	o. 1004—01: 1, 1985
	DEPARTMEN	T OF THE	INTER	RIOR			5. LEASE DESI	GNATION A	ND BERIAL NO
<u>}</u>	BUREAU OF	LAND MANA	GEME	NT				9272	
APPLICATION	N FOR PERMIT	TO DRILL,	DEEP	EN, OR F	PLUG BA	СК	6. IF INDIAN, A		
		DEEPEN		PL	UG BACK	X	7. UNIT AGREE	EMENT NAI	0
b. TYPE OF WELL	AS OTHER				MULTIPLE Zone	X	8. FARM OR LI	LASE NAMI	<u> </u>
WELL W 2. NAME OF OPERATOR	TELL OTHER		2		2016	<u>er</u>	Federal-	DH-Gas	Com
Amoco Product	ion Company						9. WELL NO.	· · · · ·	
3. ADDRESS OF OPERATOR		7050							<u> </u>
	, Houston, TX 7		th any i	State requirem	ents.*)		10. FIELD AND	-	
At surface	FSL x 990' FWL				,		Scoggins 11. SEC., T., B.	M. OR BI	K.
At proposed prod. zon		(,	, . ,			AND SURVI		▲
			·				11-18-	-	
	AND DIBECTION FROM NEA		ST OFFIC	· · ·			12. COUNTY OF Eddy	PARISH	13. STATE NM
15. DISTANCE FROM PROP		1α, 11/1	16. N	O. OF ACRES IN	N LEASE 17	. NO. 0	OF ACRES ASSIGN	(ED	
LOCATION TO NEARES PROPERTY OR LEASE 1 (Also to nearest dr)	T LINE, FT.	698 '		320			HIS WELL 32		
18. DISTANCE FROM PROI				ROPOSED DEPTH	r 20). ROTA	RY OR CABLE TO	OLS	
OR APPLIED FOR, ON TH	IS LEASE, FT.			11,915			Rotary		
21. ELEVATIONS (Show wh							22. APPROX.		K WILL STAR
3546.0'							1 7-	1-89	<u> </u>
		PROPOSED CAS	ING AN	D CEMENTIN	G PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER	FOOT	SETTING			QUANTITY		
17 1/2"	13 3/8"	48#	FOOT	502	I	·	_700 SKS.		
17 1/2" 12 1/4" 7 7/8" Propsed downh		48# 36# 15.5 &	17# raw M	502 2200 11915	th Scrogg		700 SKS. 1400 SKS 2720 SKS. Draw Straw		
17 1/2" 12 1/4" 7 7/8" Propsed downh	<u>13 3/8"</u> <u>9 5/8"</u> 5 1/2" ole commingle S	48# 36# 15.5 &	17# raw M	502 2200 11915	th Scrogg		700 SKS. 1400 SKS 2720 SKS. Draw Straw		
17 1/2" 12 1/4" 7 7/8" Propsed downh	<u>13 3/8"</u> <u>9 5/8"</u> 5 1/2" ole commingle S	48# 36# 15.5 &	17# raw M	502 2200 11915	th Scrogg	re sl	700 SKS. 1400 SKS 2720 SKS. Draw Straw ketch.	m.	
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STATE OF NEW MEXICO

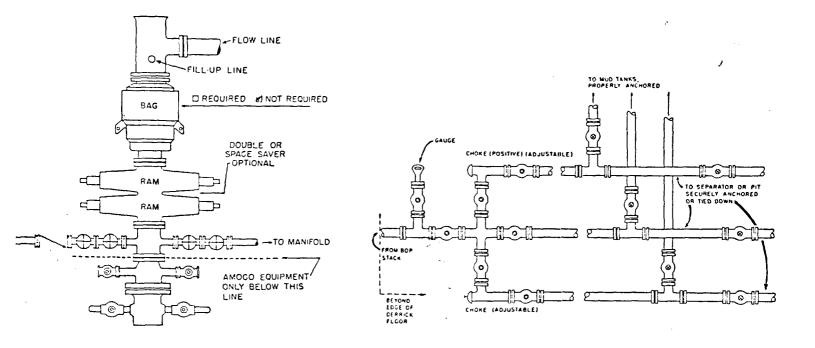
OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-102 Revised 10-1-78

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ENERGY AND MINERALS DEPARTMENT	SANTA FE, NEV	MEXICO 87501		Form C-102 Revised 10-1-78
*. All di	stances must be from the ou	iter boundaries of the Secti	on.	
AMOCO PRODUCTION COMPANY	Lease	Federal "DH" Gas	Comm.	Well No. 1
Unit Letter Section Townshill	18 South	27 East	Eddy	
Actual Footage Location of Well: 990 feet from the West	69	8	South	
Ground Level Elev. Producing Formation 3546.0	line and Pool	feet from the		Dedicated Acreage: 320 Acres
1. Outline the acreage dedicated to t	he subject well by co	lored pencil or hachu	re marks on th	
 If more than one lease is dedicat interest and royalty). If more than one lease of different 			-	-
dated by communitization, unitizati	on, force-pooling. etc?			
X Yes No If answer is	"yes," type of consol	idationComm	nunitizatio	11
If answer is "no," list the owners this form if necessary.) No allowable will be assigned to the forced-pooling, or otherwise) or until	well until all interest	s have been consolid	ated (by com	munitization, unitization,
1	1	1	T	CERTIFICATION
			toined her best of my Mary L. Nome Sr. Adr	ertify that the information con- tein is true and complete to the knowledge and belief. Corley
	WORKING INTEREST Amoco Production Hondo Oil & Gas Co Yates Petroleum Co	Company 37.5% Inpany 37.5%	Position Amoco F Company 6/30/89 Date	Production Company
NM 29272 160 Ac. (SW/4) 	NM 36496 40 Ac. (NW/4of SE/4)	NM 41643 80 Ac. (E/2of SE/4)	notes of a under my s	certory that the well-location this plat we related from tield octual serveys, made by metor supervision, and that the same m, correct to the best of my and boliel.
	NM 51832 40 Ac. (SW/4 of SE/4)		Date Surveye JOHN N	ed . WILSON Land Surveyor
0 330 660 90 1320 1650 1980 2310 :	2640 2000 1500	1000 500		7475



Elevations -Amoco Production Company к**в:** 3566 Diagrammatic Sketch DF: 3565 ' Wall: Federal " DH" Gas Com Well No. 1 GL: 3546 Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) Gurrent Wellbore 5-18-84; Well spudded. 331 of 20" 52 74#1 csg cemented with 3 yards redimix. 26-84: 13 38" CSA 500' in 175" Hale \$700 sx class & cemente 6-1-84:9518" CSA 2200' in 12' " hole, DV topl at 973! DN TOOL AT 973' Cont 1st stage with 950 50 Class C Neat. Displace ant Ì 17160 bus, Cite 199 sx to pite Open DV tool. Pro 100 bbl at 14.4 mud and 450 sx class Cont with 2% calcium chloride, Circ 106 sx cmt. Niso w773 6fw. 8-4-84: 54" CSA 11915 1 728" hole. DV tool at 6417. DV TOOL ATT 6417' Cmt 1st stage with 420 sx Class A Lite with additives Strawn and with 900 sx class H with Perfs 9295'-9308' additives of Den DV tool and circ 73 5x Cmt 2nd stage with 1000 5x Closs H with CIBP @ 10700' Cap w/ 35' CMT oddifives and with 400 sx Class H Neat. Circ 218 sx to pit. Silurian Perfs 10774-10792 CIBP@ 11610' Chp w/ 35' CMT mmm Ellenburger Perf 11645-1908 (non Continuous) TD 11,9151

Elevations кв:<u>3566</u> Amoco Production Company Diagrammatic Sketch DF: 3565' Well: Federal "DH" Gas Com Well No. 1 GL: 3546 Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) + Proposed Wellbore 5-18-84 ; Well spudded. 331 of 20" 52,74#1 csg cemented with B yards redimix. 26 841 13 38" CSA 500' in 17= " Hole "700 sx Class C cement. 641-8419518" CSA Z200' in 125" Hole, DV tool at 973! DV TOOL AT 973' Cont 1st stage with 950 50 - F Class C Negt. Displace cont 1 W7160 bus. Cite 199 sx to pits Open DV tool. Propo 100 bbl at 1 1 i 14.4 mud and 450 sx class Cont with 2% calcium chlorida, Circ 1 106 sx cont. Disp 1773 6fw. 8-4-84: 5 " " CSA 11915 1 7%" boke. DV tool at 6417. DV TOOL ATT GHIN' Cont 1st stage with 420 sx Class H Lite with additives Strawn and with 900 5x class H with Perfs 9295-9308 add tives . Open DV tool and Morrow circ 73 5x Cmt 2 stage Perfs 9834'-9846' with 1,000 5x Class H with CIBP @ 10700' Cap w/ 35' CMT additives and with 400 sx Silarian Class H Neat. Circ 218 sx to pit. Perfs 10774-10792 CIBP@ 11610' Chp w/ 35' CMT Ellenburger Perf 11645-11908 (non Confinuous) 70 11,9157

(formerly 9-331C)	DEPARTMENT	ED STATES OF THE INTE		ctions on	Budget Bureau Expires Augus 5. LEASE DESIGNATION	No. 1004-01 t 31, 1985
		······································		ACV	6. IF INDIAN, ALLOTT	
APPLICATION 1a. TYPE OF WORK	Y FOR PERMIT	O DRILL, DEEL	PEN, OR PLUG E		-	
DRI b. TYPE OF WELL		DEEPEN	PLUG BA	CK 🛛	7. UNIT AGREEMENT	NAMB
	AS OTHER		SINGLE MULTIP ZONE ZONE	LE X	8. FARM OR LEASE NA	MB
2. NAME OF OPERATOR					Federal-DH-G	as Com
AMOCO Product	ion Company				9. WELL NO.	
P.O. Box 3092	, Houston, TX 77	253			10. FIELD AND POOL,	OR WILDCAT
4. LOCATION OF WELL (Re	eport location clearly and	in accordance with any			Scoggins Dra	
700'	FSL x 990' FWL (Unit M, SW/4	SW/4)		11. SEC., T., R., M., OB AND SURVEY OR A	BLK. REA
At proposed prod. zon	e				11-18-27	
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	LST TOWN OR POST OFF	ICE*		12. COUNTY OR PARIS	H 13. STATE
	theast of Artest				Eddy	NM
15. DISTANCE FROM PROPO Location to nearest Property or lease L	r .INE. FT. f	598 '	NO. OF ACRES IN LEASE		HIS WELL 320	
(Also to hearest drig 18. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION*	19.	PROPOSED DEPTH	20. ROT.	ARY OR CABLE TOOLS	
OR APPLIED FOR, ON THE 21. ELEVATIONS (Show who			11,915		Rotary	
3546.0'					7-1-89	
23.		ROPOSED CASING A	ND CEMENTING PROGRA	AM	//	· <u> </u>
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMI	INT
17 1/2"	13 3/8"	48#	502'		700 SKS.	
12 1/4"	9 5/8"	36#	2200'		1400 SKS	
7 7/8"	5 1/2"	15.5 & 17#	11915'		2720 SKS.	
Perf Morrow F	ormation at 9834	1'-9846' as pe	r attached well		ketch. CEIVEI	
				JL	VL 1 O 1989 MSERVATION DIV,	D
	drill or deepen directional	lly, give pertinent data	plug back, give data on p on subsurface locations ar Sr. Adm. Analyst	JL C:L CC resent prod nd measure	IL 1 O 1989 INSERVATION DIV, IANA FE Nuctive sone and propose d and true vertical deput	ed new produc
sone. If proposal is to preventer program, if any 24.	drill or deepen directional	lly, give pertinent data	plug back, give data on p on subsurface locations an	JL C:L CC resent prod nd measure	IL 1 O 1989 INSERVATION DIV, IANA FE Nuctive sone and propose d and true vertical deput	ied new productions. Give blog
This space for Feder	drill or deepen directional y. 1 Mlly	lly, give pertinent data	plug back, give data on p on subsurface locations ar Sr. Adm. Analyst	JL C:L CC resent prov nd measure	IL 1 O 1989 INSERVATION DIV, IANA FE Nuctive sone and propose d and true vertical deput	ted new produ ths. Give blo 30/89
This space for Feder	drill or deepen directional y. / Mlly ral or State office use)	lly, give pertinent data	plug back, give data on p on subsurface locations ar Sr. Adm. Analyst	JL C:L CC resent prov nd measure	IL 1 0 1989 MSERVATION DIY, DAN A FE Nuctive some and propose d and true vertical deputed DATE6/	ted new production. Give bloc 30/89
This space for Feder	drill or deepen directional y. <u>Muluy</u> ral or State office use)	lly, give pertinent data	plug back, give data on p on subsurface locations ar Sr. Adm. Analyst	JL C:L CC resent prov nd measure	IL 1 0 1989 MSERVATION DIY, DAN A FE Nuctive some and propose d and true vertical deputed DATE6/	ted new produ ths. Give blo 30/89
APPROVED BY	drill or deepen directional y. <u>Muluy</u> ral or State office use)	lly, give pertinent data	plug back, give data on p on subsurface locations ar Sr. Adm. Analyst	JL C:L CC resent prov nd measure	IL 1 0 1989 MSERVATION DIV, DAN A FE Nuctive sone and proposed d and true vertical deputy 6/	ted new production. Give bloc 30/89
APPROVED BY	drill or deepen directional y. <u>Muluy</u> ral or State office use)	lly, give pertinent data	plug back, give data on p on subsurface locations ar Sr. Adm. Analyst	JL C:L CC resent prov nd measure	IL 1 0 1989 MSERVATION DIV, DAN A FE Nuctive sone and proposed d and true vertical deputy 6/	ted new produ ths. Give blo 30/89

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

Certificate No. 7475

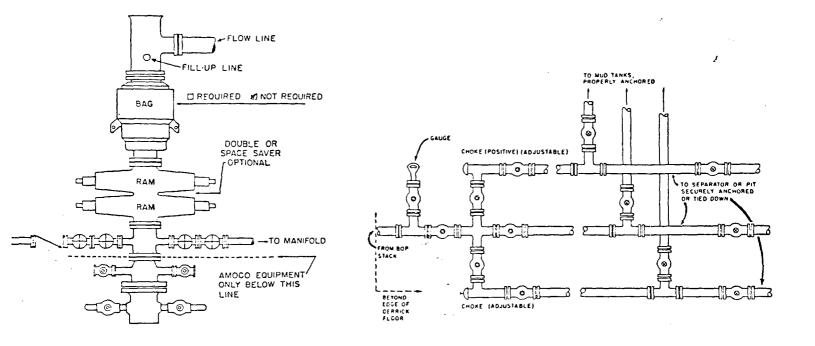
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۹.	All dist	ances must be fro	m the ou	ter boundaries of	the Sectio	n.		
Operator AMOCO PROI	DUCTION COMPANY		Lease	ederal "DH	" Gas (Comm.	Well No.	1
Unit Letter Section M	ion Township 11	18 South	Rand	27 East	County	Eddy		
Actual Footage Location of 990 feel	of Well: I from the West	line and	69	8	t from the	South	line	
Ground Level Elev. 3546.0	Producing Formation	T	Pool		t nom me		Dedicated Acreag 320	
	reage dedicated to th	e subject wel	l by co	lored pencil o	r hachur	e marks on the		Acres
2. If more than o interest and roy	ne lease is dedicated yalty).	d to the well,	outline	e each and ide	ntify the	ownership th	ereof (both as	to working
	e lease of different o unitization, unitization			d to the well,	have the	interests of	all owners bee	en consoli-
X Yes	No If answer is "	'yes,' type of	consoli	dation	Comm	unitization	1	
If answer is "n this form if nec	oo," list the owners ar essary.)	nd tract descri	ptions	which have ac	tually be	een consolidat	ted. (Use rever	se side of
	ill be assigned to the v or otherwise) or until a							
	1			8			CERTIFICATION	
				1			ertify that the info	
	1					Mary	knowledge and be M. Miller L. Corley	lief. 7
	+					Name Sr. A	dmin. Analy	st
		WORKING INT Amoco Pro		ARTICIPATION Company 37.		Position Amoco	Production	Company
		Hondo Oil & Yates Petro				Company 6/30/8	39	
						Date		
NM 29 160 (SW,	Ac.	NM 36490 40 Ac. (NW/4ofSE		NM 4164 80 Ac. (E/2of SE		notes of or	eroly has the stand	le by metor
<u> </u>	 	NM 51832 40 Ac. (SW/4 of SE				Date Surveyed	A DESCRIPTION OF THE OWNER OWNE	Leno
698'	1					Registered La	and Surveyor	ilson



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Elevations Amoco Production Company кв: 3566 Diagrammatic Sketch DF: 3565 ' Well: Federal "DH" Gas Com Well No. 1 GL: 3546-Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) . 1 1 1 Gurrent Wellbore 5-18-84; Well spudded. 331 of 20" 52,74# csg cemented with B yards redimix. 5-26-841 13 38" CSA 500' in 175 " Hale "700 sx Class C cement. 6-1-84,958" CSA 2200' in 12 " bole, DV tool at 973! ON TOOL AT 973' Cost 1st stage with 950 st Class C Neat Displace ant 7160 bus, Cire 199 sx to poto Open DV tool. Prop 100 bbl of 14.4 mud and 450 sx class Cont with 2% calcium chlorida, Circ 106 sx cmt. Disp w773 bfw, 8-4-84:54" CSA /1915 1 778" bole. DN tool at 6417. DVI TOOL ATT GHIT' Cont 1st stage with 420 sx Class H Lite with additives Strawn and with 900 5x class H with Perfs 9295'-9308' additives. Open DV took and cire 73 5x Cmt 2nd stage with 1000 5x Class H with CIBP @ 10700' Cap w/ 35' CMT oddifives and with 400 sx Class H Neat. Circ 218 sx to pit. Silurian Perfs 10774-10792 CIBP@ 116101 Cap w/ 35' CMT Ellenburger Pert 11645-1998 (ron Continuous) TD 11,915-

Elevations Amoco Production Company кв: 3566 -**Diagrammatic Sketch** DF: 3565 ' Well: Federal DH" Gas Com Well No. 1 GL: 3546 Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) Proposed Wellbore 5-18-84; Well spudded. 331 of 20" 52 74#1 csg cemented with 3 yards redimix. 526841 13 38" CSA 500' in 17 " Hole "700 sx class & comante 6-1-84:958" CSA 2200' in 12 " Hole, DV tool at 973! DN TOOL AT 973' Cont 1st stage with 950 50 ł Class C Negt Displace cont 1160 bur. Cite 199 sx to pite Y Open DV tool. Propo 100 bbl of I 14.4 mud and 450 sx class Cont with 2% calcium chloride. Circ 1 106 sx cont. Disp w73 6fw. 8-4-84: 54" CSA 11915 1 778" 1 bok. DN tool at 6417. DV TOOL ATT 6417' Cont Stage with 420 sx Class H Lite with additives Strawn and with 900 5x class H with Perfs 9295-9308 additives. Open DV tool and circ P3 5x Cont 2nd stage Morrow Perfs 9834'-9846' with 1,000 5x Class H with CIBP @ 10700' Cap w/ 35' CMT additives and with 400 sx Class H Neat. Circ 218 sx to pit. Silurian Perfs 10774-10792 CIBP@ 11610' Chp w/ 3.5' CMT Ellenburger Pert 11645- 1908 (ron Continuous) ł TD 11,915 i

(formerly 9-331C)		ED STATES			ner instruc reverse sie		 Form appr Budget Bu Expires A 	ugust 31, 1985
`	DEPARTMENT	-					5. LEASE DESIGN	ATION AND BEBIAL N
<u></u>	BUREAU OF	LAND MANAG	EMEN	IT			NM 29	
	N FOR PERMIT T	O DRILL, D	DEEPE	N, OR P	LUG B	ACK	6. IF INDIAN, AL	LOTTEE OB TRIBE NAI
1a. TYPE OF WORK DR b. TYPE OF WELL		DEEPEN [PLU	JG BAC	KX	7. UNIT AGREEM	ENT NAME
OIL G	ELL OTHER			NGLE	MULTIPI Zone	E X	S. FARM OR LEA	BE NAME
2. NAME OF OPERATOR				·····			Federal-D	H-Gas Com
Amoco Product	ion Company						9. WELL NO.	
· · · · · · · · · · · · · · · · · · ·	, Houston, TX 72	7253					10. FIELD AND F	OOL, OR WILDCAT
	eport location clearly and		h any S	tate requireme	nts.*)		Scoqqins	Draw Morrow
700'	FSL x 990' FWL	(Unit M, SW	/4 Sk	1/4)			11. SEC., T., E., MAND SUBVEY	., OR BLE.
At proposed prod. zor	e						11-18-2	7
14. DISTANCE IN MILES	AND DIBECTION FROM NEAS	EST TOWN OR POST	OFFICE	•				/ PARISH 13. STATE
14 miles sou	theast of Artes	ia. NM					Eddy	NM
15. DISTANCE FROM PROP LOCATION TO NEABES	USED*		16. NO	. OF ACRES IN	LEASE		OF ACRES ASSIGNED)
PROPERTY OR LEASE I (Also to nearest dri	LINE, FT.	698'		320		10 1	320	
18. DISTANCE FROM PROI TO NEAREST WELL, D	RILLING, COMPLETED,		19. PR	OPOSED DEPTH		20. ROTA	RY OR CABLE TOOL	8
OR APPLIED FOR, ON TH 21. ELEVATIONS (Show wh				11,915			Rotary	TE WORK WILL STA
3546.0'							7-1	
23.		ROPOSED CASIN	IG AND	CEMENTING	PROGRA		1 /-1	-09
	SIZE OF CABING						QUANTITY OF	OF MENT
			07					
		MEIGHT PER FO	DOT	SETTING D				
<u>17 1/2"</u> 12 1/4"	<u>13 3/8"</u> 9 5/8"	48# 36#)OT	<u>502'</u> 2200'			700 SKS. 1400 SKS	
17 1/2" 12 1/4" 7 7/8" Propsed downh	<u>13 3/8"</u> <u>9 5/8"</u> 5 1/2" ole commingle So	48# 36# 15.5 & 1 croggins Dr	7#	<u>502'</u> <u>2200'</u> 11915' orrow wit	h Scrog		700 SKS. 1400 SKS 2720 SKS. Draw Strawn	
17 1/2" 12 1/4" 7 7/8" Propsed downh Perf Morrow F	13 3/8" 9 5/8" 5 1/2" ole commingle So ormation at 9834	<u>48#</u> <u>36#</u> 15.5 & 1 croggins Dr 4'-9846' as	7# aw Mc per	502' 2200' 11915' orrow wit attached	data on proceedings of the second	esent prod	700 SKS. 1400 SKS 2720 SKS. Draw Strawn ketch.	• roposed new produce depths. Give blow
17 1/2" 12 1/4" 7 7/8" Propsed downh Perf Morrow F IN ABOVE SPACE DESCRIPTION IN	13 3/8" 9 5/8" 5 1/2" ole commingle So ormation at 9834	<u>48#</u> <u>36#</u> 15.5 & 1 croggins Dr 4'-9846' as	7# aw Mc per	502' 2200' 11915' orrow wit attached	data on proceedings of the second	esent prod	700 SKS. 1400 SKS 2720 SKS. Draw Strawn ketch.	•
17 1/2" 12 1/4" 7 7/8" Propsed downh Perf Morrow F IN ABOVE SPACE DESCRIPTION IN	13 3/8" 9 5/8" 5 1/2" ole commingle So ormation at 9834 creation at 9834 creation at 9834 creation at 9834	<u>48#</u> <u>36#</u> 15.5 & 1 croggins Dr 4'-9846' as	7# aw Mc per	502' 2200' 11915' orrow wit attached	data on pr well b cations an nalyst	esent prod	700 SKS. 1400 SKS 2720 SKS. Draw Strawn ketch.	• roposed new produce depths. Give blow
17 1/2" 12 1/4" 7 7/8" Propsed downh Perf Morrow F IN ABOVE SPACE DESCEIBING zone. If proposal is to preventer program, if an 24. SIGNED V(This space for Feder PERMIT NO	13 3/8" 9 5/8" 5 1/2" ole commingle So ormation at 9834 ormation at 9834 rai or State office use)	<u>48#</u> <u>36#</u> 15.5 & 1 croggins Dr 4'-9846' as	7# aw Mc per data of LE	502' 2200' 11915' orrow wit attached	data on pr well b cations an nalyst	esent prod	700 SKS. 1400 SKS 2720 SKS. Draw Strawn ketch.	• roposed new produce depths. Give blow
17 1/2" 12 1/4" 7 7/8" Propsed downh Perf Morrow F IN ABOVE SPACE DESCRIBING zone. If proposal is to preventer program, if an	13 3/8" 9 5/8" 5 1/2" ole commingle So ormation at 9834 ormation at 9834 rai or State office use)	48# 36# 15.5 & 1 croggins Dr 4'-9846' as proposal is to deep ily, give pertinent	7# aw Mc per data of LE	502' 2200' 11915' orrow wit attached	data on pr well b cations an nalyst	esent prod	700 SKS. 1400 SKS 2720 SKS. Draw Strawn ketch. Buctive sone and p d and true vertica	• • • • • • • • • • • • • • • • • • •
17 1/2" 12 1/4" 7 7/8" Propsed downh Perf Morrow F IN ABOVE SPACE DESCEIBING zone. If proposal is to preventer program, if an 24. SIGNED V(This space for Feder PERMIT NO	13 3/8" 9 5/8" 5 1/2" ole commingle So ormation at 9834 ormation at 9834 rai or State office use)	48# 36# 15.5 & 1 croggins Dr 4'-9846' as proposal is to deep ily, give pertinent	7# aw Mc per data of LE	502' 2200' 11915' orrow wit attached	data on pr well b cations an nalyst	esent prod	700 SKS. 1400 SKS 2720 SKS. Draw Strawn ketch. Buctive sone and p d and true vertica	• • • • • • • • • • • • • • • • • • •

STATE OF NEW MEXICO

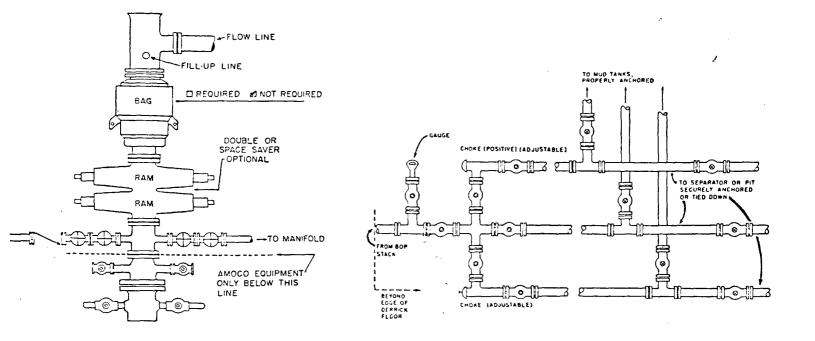
OIL CONSERVATION DIVISION

P. O. BOX 2088

ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

*	All dist	ances must be f	om the out	er boundaries of	the Section			
Operator AMOCO	PRODUCTION COMPANY		Lease F	ederal "DH	" Gas C	omm.	Well No.	1
Unit Letter M	Section Township	18 South	Hang	27 East	County	Eddy		
Actual Footage Location of Well: 990 feet from the West line and 698 feet from the South line								
Ground Level Elev. 3546.0	Producing Formation	line and	Pool	100	a nom me		Dedicated Acreage 320	Acres
1. Outline th	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 consoli- dated by communitization, unitization, force-pooling.etc?								
X Yes	No If answer is "	"yes," type of	consoli	dation	Commu	nitizatio	n	
	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 Division.								
[1						CERTIFICATION	
							ertify that the infor ein is true and com	
	i I						knowledge and bel	0
						Name	Corley //(augure
	i I	WORKING IN Amoco Pr		PARTICIPATION Company 37.		Position	roduction Co	ompany
~	1	Hondo Oil Yates Petr	& Gas Col	npany 37.	5%	Сотралу 6/30/89		<u></u>
						Date		•
٨	IM 29272 160 Ac.	NM 3649 40 Ac	1	NM 416 80 Ac		1 hereby	ceroly that the w	Alexation
	(SW)4)	(NW/4ofSi	E/4) 	(E/2of Sl	E/4)	shown on	this plot werplotte	d from hield
			1		-	under my s is true or knowledge	a dorrect to the	best of my
		NM 5183 40 Ac. (SW/4 of S	1			May 10 Date Surveye	& PROFESSIONAL	110
990'	1			3		JOHN N		
698'						Choc	-nw.	ilcon
0 330 660	90 1320 1050 1980 2310 26	40 2000	1500	1000 50		Cerniicate N	^{lo.} 7475	



Elevations Amoco Production Company кв: 3566 -Diagrammatic Sketch DF: 3565' Well: Federal "DH" Gas Com Well No. 1 GL: 3546' Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) Gurrent Wellbore 5-18-84; Well spudded. 331 of 20"52,74# csg cemented with B yards redimix. 26 841 /3 38" CSA 500' in 175 " hole "700 sx Class C cemente 6-1-84,95-8" CSA 2200' in 12' " hole, DV tool at 973! DN TOOL AT 973 Cont 1st stage with 950 st Class C Negt Displace cont 1160 bus, Cite 199 sx to port Open DV tool. Pro 100 bbl of 14.4 mud and 450 sx class Cont with 2% calcium chlorida. Circ 106 sx cmt. Niso W773 6fw, 8-4-84: 54" CSA 11915 1 728" hole. DN tool at 6417. DV TOOL ATT GHIT' Cont 1st stage with 420 5x Class & Lite with additives Strawn and with 900 sx class H with Perfs 9295'-9308' additives. Open DV took and cire 73 5x Cont 2 5tage with 1000 5x Class H with CIBP @ 10700' Cap w/ 35' CMT odditives and with 400 sx Class H Neat. Circ 218 sx to pit. Silurian Perfs 10774-10792 mm CIBP@ 11610' Cap w/ 35' CMT Ellenburger Perf 11645-11908 (ron Continuous) TD 11,915í

			Elevations		
	ompany	KB: 3566			
_	etch	DF: 3565'			
Well: Federal DH"G	No. 1	GL: 3546-			
Location: 700/s x 990/w (Date:		
Location: 10073 x 1407 W (<u> </u>	(of first completi		
Propos	ed Wellborg	e	i 		
8-84 ; Well spudded.			······		
331 of 20" 52,74#1					
sg cemented with					
3 yards redimix.			· · · · · · · · · · · · · · · · · · ·		
1841 13 38" CSA 500' Y			· · ·		
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1.4 mud and 450 sx Class Cont					
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nd with 900 sx class H with		Perfs 9295-	9308		
Iditives, Open DV took and		Morrow	1		
ire 73 5x Cont 2nd stage		Perts 9834'-	9846		
the 1000 5x Class H with		CIBP @ 10700	1' Cap w/ 35' CMT		
ditives and with 400 sx		OS Silurian			
lass H Neat. Circ 218 sx to pit.		Perfs 10774-10	0792		
	mannin	N /	Chp w/ 35'CMT		
		O Ellenburger			
	V		3' (ron Confin yous)		
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PERMIT NO	APPE	SOVAL DATE			

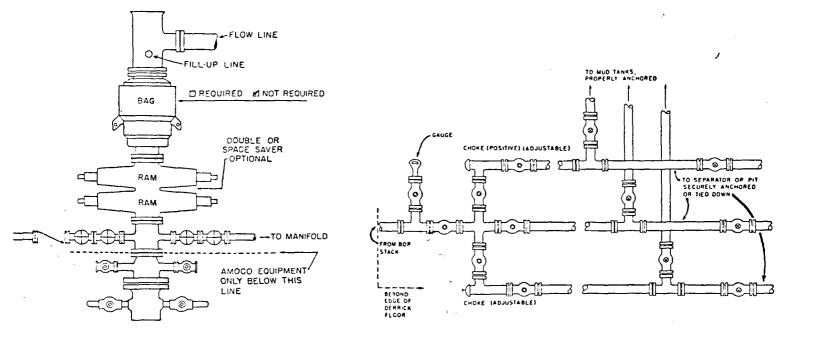
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its invisidiction.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

OIL CONSERVATION DIVISION P. O. BOX 2088

•		All distances must be	from the outer boundari	es of the Section	· ·				
Operator AMOCO	PRODUCTION CO	MPANY	Federal	"DH" Gas C	omm.	Well No. 1			
Unit Letter M	Section 11	Township 18 South	Range 27 Eas	County	Eddy				
Actual Footage Loc 990		est line and	698	feet from the	South	line			
Ground Level Elev. Producing Formation 3546.0			Pool			edicated Acreage: 320			
1. Outline the	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 consoli- dated by communitization, unitization, force-pooling. etc?									
X Yes	No If an	swer is "yes," type of	of consolidation	Commu	nitization				
	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 Division.									
	1		1		0	CERTIFICATION			
			1			ify that the information con- is true and complete to the			
						nowledge and belief. Corley			
_·	-+				Name	nin. Analyst			
		Amoco P		TION: 37.5% 37.5%		Production Company			
				25.0%	Company 6/30/89 Date				
	, I I		1			·			
N	M 29272 160 Ac. (SW/4) 1 1	NM 364 40 Ad (NW/4ofs	80	41643 O Ac. of SE/4)	shown on this notes of octu under my sup is true ond	Ory may the well-location solat we plotted from hield al surveys, made by metor rivision, and that the same correct to the best of my d ballet.			
990'		NM 5183 40 Ad (SW/4 of 5	. 1		Date Surveyed	WILSON			
698'			1		Registered Lan	d Surveyor			
					Certificate No.	7475			
0 330 660 9	0 1320 1650 1980	2310 2640 2000	1300 1000	500 0					



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Elevations кв: 3566 🥤 Amoco Production Company Diagrammatic Sketch DF: 3565 ' Well: Federal "DH" Gas Com Well No. 1 GL: 3546 Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) Current Wellbore 5-18-84; Well spudded. 331 of 20" 52,74#1 csg cemented with B yards redimix. 526-84: 13 38" CSA 500' in 175" Hale \$700 5x class C cemente 6-1-84,958" CSA Z200' in 12 " Hole, DV tool at 973! DV TOOL AT 973' Cont 1st stage with 950 50 Class C Negt. Displace cont 7160 bus. Cite 199 sx to pits Open DV tool. Prop 100 bbl of í 14.4 mud and 450 sx class Cont with 2% calcium chlorida, Circ 106 sx cont. Disp 4773 6fw, 8-4-84:54" CSA 11915 1 778" pole. DV tool at 6417 DV TOOL ATT 6417' Cont 1st stage with 420 5x Class It Lite with additives Strawn and with 900 5x class H with Perfs 9295'-9308' additives. Open DV tool and cire 73 5x Cont 2nd stage with 1,000 sx Class H with CIBP @ 10700' Cap w/ 35' CMT additives and with 400 sx Class H Neat. Circ 218 sx to pit. Silurian Perfs 10774-10792 CIBP@ 11610' Cap w/ 35' CMT Ellenburger Pert 11645-1908 (ron Continuous) TD 11,915-÷ l

Elevations Amoco Production Company к**в:** 3566 Diagrammatic Sketch DF: <u>3565'</u> Well: Federal "DH" Gas Com Well No. 1 GL: 3546 Location: 700/s x 990/w (M-11-18-27) Eddy Co., NM Date: (of first completion) - Proposed Wellbore 5-18-84; Well spudded. 331 of 20" 52 74#1) csq cemented with Byards redimix. 526841 13 38" CSA 500' in 17= " hole "700 sx . class C cement. 6-1-84,9518" CSA Z200' in 12 " Hole, DV tool of 973! DV TOOL AT 973' Cryt 1st stage with 950 5 1 Class C Neat Displace out 1 ł W7160 bus, Cite 199 sx to pite ? Open DV tool. Prop 100 bbl of 1 + 1 14.4 mud and 450 sx class Cont İ with 2% calcium chlorida, Circ 1 106 sx cont. Disp 473 6fw. 8-4-84:54" CSA 11915 1 728" 1 hole. DN tool at 6417. DV TOOL ATT GHIT' Cont 1st stage with 420 5x Class A Lite with additives i Strawn and with 900 5x class At with Perfs 9295-9308 additives. Open DV tool and circ 73 5x Cmt 2 stage Morrow Perts 9834'-9846' with 1,000 5x Class H with CIBP @ 10700' Cap w/ 35' CMT additives and with 400 sx Silurian Class H Neat. Circ 218 sx to pit. Perfs 10774-10792 CIBP@ 11610' Chp w/ 35' CMT Ellenburger Perf 11645-1908 (pon Continuous) TD 11,9157 i .

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS GOVERNOR

August 3, 1989

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Amoco Production Company P. O. Box 3092 Houston, Texas 77253

Case 9747

Attention: James F. Trickett

Dear Mr. Trickett:

I have received and reviewed your recent application to commingle the production from the Scoggins Draw Strawn and Scoggins Draw Morrow Gas Pools within the wellbore of your Federal DH Gas Com Well No. 1 located in Section 11, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico, and have determined that the subject application does not qualify for administrative approval pursuant to to the requirements set forth in Rule 303(C)(1)(b), specifically, the pressure requirements. I have taken the liberty of setting the application to hearing on the Examiner Docket set for September 6, 1989. Please advise this office if you do not wish to pursue the matter at a hearing or if you need additional time to prepare for the hearing.

If you should have any questions please contact myself at (505) 837-5800.

Sincerely (۵)

David Catanach Engineer

xc: Case File