Frank Chavey gave them verbal permission on 12/15/83.

Call Frank in two weeks 1/2/8/84.

Hold up because of pool name changes.

21PQ 1/4/84 on 1/20/84. The next momeclature changes. will affect this application

2179 1/29/84

3/26/84

Talked with Danny Powell. Pool names hav

Pool names have not yet been changed. Frank advises to go ahead with the application will be released today.

SP4



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

Conoco Inc. P. O. Box 460 726 E. Michigan Hobbs, NM 88240 (505) 393-4141

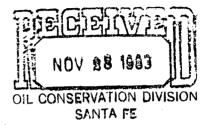
November 18, 1983

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

Attention: Mr. Gilbert Quintana



r



In 1976, the Otero Gallup oil and Basin Dakota gas formations were downhole commingled in Well Nos. 1 through 8 of Conoco's Northeast Haynes lease under authority of Order No. R-5205. We are now requesting approval to downhole commingle Otero Gallup and Basin Dakota production in the following six infill wells.

Northeast	Haynes	No.	1E	Unit 0,	Sec.	9-24n-5w
Northeast	Haynes	No.	2 E	Unit G,	Sec.	16-24N-5W
Northeast	Haynes	No.	3E	Unit L,	Sec.	16-24N-5W
Northeast	Haynes	No.	6E	Unit B,	Sec.	15-24N-5W
Northeast	Haynes	No.	7E	Unit J,	Sec.	10-24N-5W
Northeast	Haynes	No.	8E	Unit L,	Sec.	15-24N-5W

These six infill wells currently produce from the Basin Dakota; none have been completed in the Gallup except for Well No. 2E. During May, 1983 Well No. 2E was completed in the Gallup in order to test and obtain bottom-hole pressure information. It is not economical for us to complete the remaining wells in the Gallup until we are assured of downhole commingling approval.

Additional data relative to this application is listed as follows:

- 1) Attached is a plat of the Northeast Haynes lease.
- 2) C-116's are included showing current well tests from the Dakota on all wells and a test from the Gallup for Well No. 2E.
- 3) Decline curves are attached for Dakota production from all wells. Also enclosed is the Well Completion Report for the Gallup zone of Well No. 2E. Future Gallup reserves for each well are estimated to be 13,000 BO, and 125 MMCFG. The producing rate for each well the first year is estimated at 5 BOPD and 23 MCFPD.

4) Bottom-hole pressure information is listed as follows:

Well	S.I. Time	Pressure	Date	Formation
2E	7 days 11 days	912 psi 1036 psi	10/83 5/83	Dakota Gallup
6E	16 days	1040 psi	10/83	Dakota
7E	16 days	902 psi	10/83	Dakota

Northeast Haynes Nos. 1E, 3E, and 8E are expected to have similar Dakota bottom-hole pressures as Well Nos. 2E, 6E, and 7E. Gallup bottom-hole pressures for all wells are anticipated to be within 100 psi of Well No. 2E.

- 5) Since the Dakota and Gallup are presently commingled on the lease, the fluids from these zones will not be incompatible in the well-bore nor will their value be reduced.
- 6) Based on the well test from Northeast Haynes No. 2E, we recommend that the following percentage be used for the allocation of production from these six infill wells.

	Oi1	Gas
Otero Gallup	63%	7%
Basin Dakota	37% 100%	93% 100%

7) By copy of this letter we are notifying the Bureau of Land Management and all offset operators (as per the attached address list) of this proposed commingling.

If you should have questions, please contact Danny Powell of this office. We appreciate your prompt attention to this application.

Yours very truly,

Milmosly

DDP:cyg

cc: Bureau of Land Management

Offset Operators (Per Attached List)

Enc.

Mobil Producing Texas and New Mexico Petroleum Plaza Farmington, NM 87404

Amerada Hess Corp. P.O. Box 2040 Tulsa, OK 74102

Dugan Production Corp. P.O. Box 208 Farmington, NM 87401

Gulf Oil Exploration and Production Co. P.O. Box 1150 Midland, TX 79702

Union Texas Petroleum Corp. 1300 Wilco Bldg. Midland, TX 79701

Amoco Production Co. 501 Airport Dr. Farmington, NM 87401

R&G Drilling Co., Inc. c/o Walsh Engineering P.O. Drawer 419 Farmington, NM 87401

Operator Tho			Pool	01	D .	プログラナム				County	nty	g to	Rio Arriba	<u>ہ</u>		
Address P. O. Box 460 Hobbs	NM 88240	740	-		000	1 1 1	TYPE	- (X)	Scheo	Scheduled		Completion	etion		Speci	Special X
	WELL		L00	LOCATION		DATEOF		CHOKE	TBG.	DAILY	LENGTH	ק ק	PROD. DURING		TEST	GAS - OIL
LEASE NAME	Z 0.	c	S	7	סכ	TEST	STAT		<u> </u>	ABLE	TEST	WATER BBLS.	GRAV.	STBB OIC	GAS M.C.F.	RATIO CU.FT/BBL
Northeast Haynes	1E	٥	9	24	5	11/8/83	לבו	NA	100	1 1 1	24	12	45	w	190	63,333
Northeast Haynes	2E	G	16	24	ъ	11/8/83	푀	NA	100	1	24	0	46	ω	325	108,333
Northeast Haynes	3E	ы	16	24	5	11/8/83	ㅂ	NA	110	1	24	<u> </u>	46	ω	332	110,667
Northeast Haynes	6E	ᄧ	15	24	را ا	11/8/83	坩	NA	48	1	24	. 	45	<u></u>	50	50,000
Northeast Haynes	7E	ر ب	10	24	5	11/8/83	1표]	NA	106	4	24	<u>.</u>	45	<u> </u>	160	160,000
Northeast Haynes	8E	Н.	15	24	5	11/8/83	편	NA	94	; 	24	7	46	2	350	175,000
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					·											

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

will be 0.60. Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Administrative Supervisor

November 18,

1983

Ad. Op
Conoco Inc. Conoco Inc. Address P. O. Box 460, Hobbs, NM LEASE NAME Northeast Haynes
M 88240 WELL NO. 2E
G " 00¢
LOCA S
LOCATION s T 16 24
Otero Gallup TO TEST R PATE OF R TEST 9/2/83
T TYPE OF STATUS CHOP
CHOKE SIZE
TBG.
Scheduled County Scheduled LEN ALLOW- TEN ABLE HOU
LENGTH LENGTH HOURS
Comp Comp P WATER BBLS.
Rio Arriba Completion PROD. DUI TER GRAV. U.S. OIL B
2 Br. 8 S S S S S S S S S
TEST GAS M.C.F.
Special X GAS - OIL RATIO CU.FT/BBL

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

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Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Savia Signature

Administrative Supervisor

(Title)

November 18,

1983

b. TYPE OF COMPLETION:

CONOCO INC

At top prod. interval reported below

2. NAME OF OPERATOR

At total depth

3. ADDRESS OF OPERATOR

ED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

SUBMIT IN DUPL

(See other instructions on reverse side) Form approved. Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

CONTRACT

6. IF	INDIAN,	ALLOTTEE	OR TRIBE	NAME
J	CAR	ILLA	AeA	CHE

	ע	10	A	<u> </u>	LL	<u> </u>	Д	CA	CH	E
7.	i,tr	NIT	AC	REE	MENT	NAM	E			_

S. FARM OR LEASE NAME

NORTHEAST HAYNES

10. FIELD AND POOL, OR WILDCAT

GALLUP TERO

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC. 16, T-24N.R-5

SEP 00 1983

23. INTERVALS DRILLED BY

OIL CONSERVATION DIVISION

Other

14. PERMIT NO. FARMING DATE ISSUED ROE RID ARRIGA 17. DATE COMPL. (Ready to prod.) 19. ELEV. CASINGHEAD 16. DATE T.D. REACHED 18. ELEVATIONS (DF, BEB, RT, GR, ETC.)* 6537 GR

PLUG, BACK T.D., MD & TVE 6300 24. PRODUCING INTERVAL(8), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1250 FNL + 1840 FEL

WAS DIRECTIONAL SURVEY MADE

CABLE TOOLS

5562 - 5758 GALLUP

DEEP-EN

P. O. Box 460, Hobbs, N.M. 88240

No.

26. TYPE ELECTRIC AND OTHER LOGS BY

GR-CCL

27. WAS WELL CORED No.

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	377'	121/4"	359 sxs	CIRC
5 1/2 "	15.5#	6809'	77/3"	1902 sxs	
,					

·					•		
29.		LINER RECORD			80.	TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACES CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	_	- NONE -			23/6"	5400'	
				•			
21 PERFORATION D	FCORD (Internal a	ice and number)		1 00 11			

5562, 72,74,75, 80, 82, 83, 88, 5621, 24, 27, 29, 31, 34, 45, 46, 48, 49, 5720, 28, 30, 32 35, 40, 46, 53, 57, + 5758

ACID. SHOT. FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 100 BBLS 814 BBLS FOAM 76000 LBS 20/4

33.* PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump WELL STATUS (Producing of PUMPING PRODUCING DATE OF TEST HOURS TESTED PROD'N. FOR TEST PERIOD BBL. GAS-NCF. GAS-OIL BATIO 9 36 24 4000 CALCULATED 24-HOUR RATE GAS--MCF WATER--BBL. OIL GRAVITY-API (CORR.) 36 TEST WITNESSED BY

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

LOWERS

VENTED PENDING APPROVAL 35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED &

Administrative Supervisor TITLE

INSTRUCTIONS

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. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions. Any necessary special instructions concerning the use of this form and the number of copies to be This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency. or both, pursuant to applicable Federal and/or State laws and regulations.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Hem 4: If there are no applicable State requirements, locations on Pederal or Indian land should be described in accordance with Federal requirements. Consult local State Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 24 show the production intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 83. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval. ifem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments, or Pederal office for specific instructions.

Hem 29: "Nacks Coment": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. [See instruction for items 22 and 24 above.]

	ISASIN VAKOTA	PERFS (Q) (5419-9199	ISOLATED	~/ RBP @ 6300	6300	PENDI
OF COMNECTE COMPANDS.	APPROVAL OF	DOWNHOLE	COMMINGLING	ZG.		· · · · · · · · · · · · · · · · · · ·	

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46

		TRUB VERT. DEPTH	-	·								
GEOLOGIC MARKERS	TOP	MEAS. DEPTH	2284,	2362'	3136	3833,	H683,	5552	6477	6548	, 1859	
as. GEOLOG			PICTURED CLIFFS	LEWIS	CHACRA	MESAVERDE	MANCOS	GALLUP	GREENHORN	GRENEROS	DAKOTA	•
ESTS, INCLUDING		- :				• •				-		
RILLY ALL MEDITARY ZINKES OF PRODUCTI AND CONTENTS THERROF, COURD INTERFALS; AND ALL DELLEGIFM TESTS, INCLUDING PEFTH INTERVAL TESTED, CUSHION URED, TIME TOOL UPRA, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	DESCRIPTION, CONTENTS, ETC.	WATER	WATER									
G AND SHUT-IN FRE	DRECRIFT	, GAS, 4	GAS, 4	<u></u>	· · · · · · · · · · · · · · · · · · ·							
FR. PLOWIN		010	011,	. • • · · ·	••			•				• . •
SED, TIME TOOL OF	ROTTOM	£760'	6793'	** ()					•			
THETTED, CUSTION IN	TOP	5552	6587	, .	•.				٠			
DEPTH INTERVAL.	FORMATION	GALLUP	DAKOTA				-					1 2

SUNDRY NOTICES A (Do not use this form for proposals to reservoir, Use Form 9-331-C for such

gas

well

CONOCO INC. 3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (REPO

AT SURFACE: 1850 F AT TOP PROD. INTERVAL:

P. O. Box 460, Hob

3

2. NAME OF OPERATOR

AT TOTAL DEPTH: 16. CHECK APPROPRIATE BOX REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL

PULL OR ALTER CASING MULTIPLE COMPLETE ' CHANGE ZONES ABANDON* (other)

well

below.)

UNIT DEPARTMENT **GEOLOG**

	Form Approved.
ED STATES	Budget Bureau No. 42-R1424
OF THE INTERIOR	5. LEASE
,	CONTRACT 36
SICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	JICARILLA APACHE
AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
drill or to deepen or plug back to a different	
proposals.)	8. FARM OR LEASE NAME
	NORTHEAST HAYNES
other	9. WELL NO.
	<u> </u>
	10. FIELD OR WILDCAT NAME
	OTERO GALLUP / BASIN DAKOTA
bs, N.M. 88240	11. SEC., T., R., M., OR BLK. AND SURVEY OR
RT LOCATION CLEARLY. See space 17	AREA TOWN
NL 4 1840 FEL	SEC. 16, T-24N, R-5W
ME 4 1040 LEF	12. COUNTY OR PARISH 13. STATE
· •	RIO ARRIBA NM
•	14. API NO.
TO INDICATE NATURE OF NOTICE,	
•	15. ELEVATIONS (SHOW DF, KDB, AND WD)
SUBSEQUENT REPORT OF:	
님	
किरावाजिक	7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
<u> </u>	NOSE: Report results of multiple completion or zone
	change on Form 9–330.)
M NOV 28 1983	
- LEW	
OIL CONSERVATION D	IVISION
SANTA FE	
- -	

W. 1713

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9/16/83. REL RBP @ 6300! SET MODEL BORE PKR @ 5977' ISOLATE GALLUP RAN TO TESTED PRODUCTION EQUIPMENT 419 MCF 24 HRS 9/30/83. PRODUCED PENDING APPROVAL WILL BE OF POWNHOLE COMMINGLING

- or that the bird of				
Subsurface Safety Valve: Manu. and Type			Set @	Ft.
18. I hereby certify that the foregoing is true signed was a facility of the signed and signed as the signed and signed as the s	and correct	ervisor DATE	1/17/83	
<u>т</u>	his space for Federal or State o	ffice use)		
APPROVED BY	TITLE	DATE		

