CASE 9894: (Continued from March 21, 1990, Examiner Hearing.)

Application of Richmond Petroleum, Inc. for compulsory pooling, unorthodox coal gas well location, and a non-standard gas spacing and proration unit, San Juan and Rio Arriba Counties, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Basin-Fruitland Coal Gas Pool underlying Lots 1 through 4 and the S/2 N/2 of Irregular Section 11. Township 32 North, Range 6 West, forming a non-standard 232.80-acre gas spacing and proration unit for said pool, said unit to be dedicated to a well to be drilled at a non-standard coal gas well location 1130 feet from the North line and 760 feet from the West line (Unit E) of said Section 11. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is bounded to the north by the State of Colorado for one-half mile of either side of Astronomical Monument No. 8 located on the Colorado/New Mexico stateline.

CASE 9895: (Continued from March 21, 1990, Examiner Hearing.)

Application of Richmond Petroleum, Inc. for compulsory pooling and an unorthodox coal gas well location, San Juan and Rio Arriba Counties, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Basin-Fruitland Coal Gas Pool underlying the S/2 of Irregular Section 11, Township 32 North, Range 6 West, forming a standard 320-acre gas spacing and proration unit for said pool, said unit to be dedicated to a well to be drilled at a non-standard coal gas well location 1800 feet from the South line and 230 feet from the West line (Unit L) of said Section 11. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is located 1/2 mile south of Astronomical Monument No. 8 located on the Colorado/New Mexico stateline.

Application of Hanson Operating Company for salt water disposal, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Diablo-San Andres Pool in the perforated interval from approximately 2034 feet to 2082 feet in its Hanlad "A" State Battery No. 1 Well No. 1 located 1650 feet from the South line and 330 feet from the East line (Unit I) of Section 28, Township 10 South, Range 27 East. Said well is located approximately 3/4 of a mile south-southwest of Mile Market No. 175 on U.S. Highway 380.

CASE 9882: (Continued from March 21, 1990, Examiner Hearing.)

Application of Controlled Recovery, Inc. for an oil treating plant permit, for surface waste disposal and an exception to Order No. R-3221, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority for construction and operation of the surface waste disposal facility and an oil treating plant for the purpose of treating and reclaiming sediment oil and for the collection, disposal, evaporation or storage of produced water, drilling fluids, drill cuttings, completion fluids and other oil field related waste in unlined surface pits, at a site in the S/2 N/2 and the N/2 S/2 of Section 27, Township 20 South, Range 32 East. This site is located on either side of U.S. Highway 62/180 at Mile Marker No. 66.

Application of Yates Petroleum Corporation for directional drilling and an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill its proposed Gazelle "AHG" Federal Com. Well No. 1 at a surface location 1312 feet from the North line and 1844 feet from the West line (Unit C) of Section 15, Township 20 South, Range 29 East, wherein the applicant proposes to deviate said well to within 50 feet of the following targeted locations:

- 1. On the Strawn formation 1980 feet from the South and East lines (Unit J) of said Section 15; wherein either the S/2 (320-acre unit) will be dedicated to the wellbore if the completed interval is determined to be within the East Burton Flat-Strawn Gas Pool or the NW/4 SE/4 (40-acre unit) would be dedicated if it is determined to be within the South Parkway-Strawn Pool; and,
- 2. In the Morrow formation 1472 feet from the South line and 1540 feet from the East line (Unit J) of said Section 15 (which is an unorthodox gas well location), said well to be dedicated to the S/2 of said Section 15 forming a standard 320-acre gas spacing and proration unit for the Undesignated East Burton-Flat Morrow Gas Pool. Said well location is approximately 4 miles northwest of the junction of US Highway 62/180 and New Mexico State Highway 31.
- Application of Nassau Resources, Inc. for unorthodox coal gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox coal gas well location 470 feet from the South line and 1190 feet from the East line (Unit P) of Irregular Section 12, Township 32 North, Range 4 West, to test the Basin-Fruitland Coal Gas Pool, all of said Section 12 to be dedicated to said well forming a 266.55-acre gas spacing and proration unit for said pool. Said drilling tract is located within the Carson National Forest and is bounded to the north by the State of Colorado at Mile Corner No. 229.
- Application of Massau Resources, Inc. for unorthodox coal gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox coal gas well location for its Carracas Unit "25-8" Well No. 3 to be drilled 920 feet from the North line and 1850 feet from the West line (Unit C) of Section 25, Township 32 North, Range 4 West, to test the Basin-Fruitland Coal Gas Pool, the N/2 of said Section 25 to be dedicated to said well forming a standard 320-acre gas spacing and proration unit for said pool. Said drilling tract is located on the Carson National Forest approximately 3 miles south of Mile Corner No. 229 located on the Colorado/New Mexico stateline.

Dockets Nos. 11-90 and 12-90 are tentatively set for April 18, 1990 and May 2, 1990. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - APRIL 4, 1990 8:15 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM, STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO

The following cases will be heard before David R. Catanach, Examiner, or Michael E. Stogner, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for May, 1990, from fourteen prorated gas pools in Lee. Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for May, 1990, from four prorated gas pools in San Juan, Ric Arriba, and Sandoval Counties, New Mexico.
- Application of BTA 0il Producers for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location 330 feet from the North and East lines (Unit A) of Section 20, Township 22 South, Range 23 East, to test the Undesignated Indian Basin-Upper Pennsylvanian Gas Pool, all of said Section 20 to be dedicated to said well forming a standard 640-acre gas spacing and proration unit for the pool. Said well location is approximately 6.25 miles south-southwest of the Marathon 011 Company Indian Basin Gas Plant.
- Application of Santa Fe Energy Operating Partners, L.P. for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location 660 feet from the North and East lines (Unit A) of Section 10, Township 20 South, Range 24 East, to test the Undesignated Cemetery-Morrow Gas Pool, the E/2 of said Section 10 to be dedicated to said well forming a standard 320-acre gas spacing and proration unit for said pool. The proposed well site is located approximately 8 miles north of Marathon 011 Company's Indian Basin Gas Plant.
- CASE 9888: (Continued from March 21, 1990, Examiner Hearing.)

Application of Conoco Inc. for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the North Dagger Draw-Upper Pennsylvanian Pool underlying the SE/4 of Section 36, Township 19 South, Range 24 East, forming a standard 160-acre oil spacing and proration unit for said pool, to be dedicated to its existing Dee State Well No. 1 located at a standard oil well location 1980 feet from the South and East lines (Unit J) of said Section 36 (said well is presently completed in the Cemetery-Morrow Gas Pool). Also to be considered will be the cost of re-entering, recompleting, equipping and operating said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in re-entering and recompleting said well. Said unit is located approximately L3 miles west by north of Seven Rivers, New Mexico.

CASE 9893: (Continued from March 21, 1990, Examiner Hearing.)

Application of Pacific Enterprises Oil Company (USA) for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Atoka and Morrow formations underlying the W/2 of Section 28, Township 18 South, Range 27 East, forming a standard 320-acre gas spacing and proration unit for any and all formations and/or pools developed on 320-acre spacing within said vertical extent, which presently includes but is not necessarily limited to either the Undesignated Red Lake-Pennsylvanian Gas Pool or the Undesignated Red Lake Atoka-Morrow Gas Pool. Said unit is to be dedicated to its Trigg "28" Federal Mell No. 1 to be drilled at a standard gas well location 2030 feet from the North line and 1980 feet from the West line (Unit F) of said Section 28. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is approximately 4 miles west by north of Old Illinois Oil Camp.

Application of Pacific Enterprises 0il Company (USA) for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the top of the Holfcamp formation to the base of the Morrow formation underlying the M/2 of Section 21. Township 23 South, Range 26 East, forming a standard 320-acre gas spacing and proration unit for any and all formations and/or pools developed on 320-acre spacing within said vertical extent, which presently includes but is not necessarily limited to the Undesignated Frontier Hills-Strawn Gas Pool, Undesignated North Black River-Atoka Gas Pool, and Undesignated South Carlsbad-Morrow Gas Pool, said unit to be dedicated to a well to be drilled at a standard gas well location in the NM/4 of said Section 21. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well. Said unit is located approximately 4 miles northeast by north of the Carlsbad Municipal Airport.

CASE 9881: (Continued from March 21, 1990, Examiner Hearing.)

Application of Richmond Petroleum, Inc. for unorthodox coal gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox coal gas well location for its Federal 31-4-32 Well No. 2 to be drilled 617 feet from the South line and 1939 feet from the West line (Unit N) of Section 32, Township 31 North, Range 4 West, Basin-Fruitland Coal Gas Pool, the W/2 of said Section 32 to be dedicated to said well to form a standard 320-acre gas spacing and proration unit for said pool. Said unit is located approximately 10 miles south of Mile Corner No. 233 located on the New Mexico/Colorado Stateline.

Submit 3 C	opies
to Appropri District Off	ide
District Off	ice

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103	
Revised 1-1-89	

C-103	+49
ad 1.1.20	

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATIO P.O. Box 208	· · · · · · · · · · · · · · · · · · ·	WELL API NO.		
DISTRICT II Santa Fe. New Mexico	· .	30-005-62341		
P.O. Drawer DD, Artesia, NM 88210		5. Indicate Type of Lease STATE X FEE		
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410				
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(FORM C-101) FOR SUCH PROPOSALS.)		Hanlad "A" State Battery #1		
1. Type of Well: OIL GAS WELL X WELL COTHER	JAN 31 '89			
2 Name of Operator Hanson Operating Company, Inc.	O. C. D.	8. Well No.		
	ARTESIA, OFFICE	9. Pool name or Wildcat		
P. O. Box 1515, Roswell, New Mexico 88202-15	15	Diablo San Andres		
4. Well Location				
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Submit 3 Copies	
to Appropriate	
District Office	

State of New Mexico Energy, Minerals and Natural Resources Department

Form C	-103
Revised	1-1-89

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District Office			Revised 1-1-59		
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DISTRICT II	P.O. Box 2088 Santa Fe, New Mexico 87504-2088		30-005-62341		
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DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410			6. State Oil & Gas Lease No. LG-7426		
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This College Old Colley and a SAUTAFE REQUEST FOR ALLOWABLE FILE Effective 1-1-65 AND U.S.C.S. AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS LAND OFFICE OIL IRANSPORTER GAS RECEIVED OPERATOR PRODATION OFFICE Operator SEP 18'87 Hanson Operating Company, Inc. P. O. Box 1515, Roswell, New Mexico 88202-1515¹ Ø. C. D. ANTESAA (THERICE Keeson(s) for liling (Check proper box) Other (l'Icose explain) Effective October 1, 1987. OII \mathbf{x} Dry Gas Recompletion Change in Ownership Controled Gos Condensate If change of ownership give name and address of previous owner.___ I. DESCRIPTION OF WELL AND LEASE. | Well No.; Pool Name, Including Formation Hanlad "A" State 1 Diablo San Andres State State G-7426 Location Unit Letter___ I 1650 Feet From The South 330 Line of Section 10-S 27-E Township Chaves County DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Andress (Cive address to which approved copy of this form is to be sent) Permian P. O. Box 1183, Houston, Texas 77251-1183 Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Casinghand Gas ____ or Dry Gas ___ N/A Unit Is gas actually connected? If well produces oil or liquids, give location of tenks. Ι 28 10S 27E No If this production is commingled with that from any other lease or pool, give commingling order numbers COMPLETION DATA Oll Well Sume Res'v. Diff. Res Designate Type of Completion - (X) Date Spedded Date Compl. Ready to Prod. Total Depth P.B.T.D. Elevations (DF, RKB, RT, CR, etc.) Name of Producing Formation Top Otl/Gas Poy Tubing Depth Desth Casing Shoe Perforations TUDING, CASING, AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE SACKS CEMENT (Test must be after recovery of total volume of load oil and must be equal to or exceed top alic able for this depth or be for full 24 hours) TEST DATA AND REQUEST FOR ALLOWABLE Freducing Method (Flow, pump, gas lift, etc.) Date of Test Date First New Oil Run To Tonks Cosing Pressure Chote Size Tubina Prosawe Length of Test Oil-Bha. Water - 351a. Actual Prod. During Test GAS WELL Length of Tost Bbis. Contenacie/AttCF Grevity of Condensets Actual Pred, Test-MCF/D Casing Freesure (Ebut-in) Tubing Pressure (Fint-In) Chair Size Testing Method (pitet, back pr.) OIL CONSERVATION COMMISSION CERTIFICATE OF COMPLIANCE SEP 2 4 1987 I hereby certify that the rules and regulations of the Oli Conservation Commission here been compiled with end that the information given above is true and complete to the best of my knowledge and belief. APPROVED PEPEVISOR DISTRICT TITLE This form is to be filed in compliance with RULE 1104. If this is a request for ellowable for a namely drilled or do well, this form must be accompanied by a tabulation of the daviation to taken on the well in accordance with AULE tit. Production Analyst (Title)

09/17/87

All sections of this form must be filled out completely for allow able on now and recompleted wells.

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give location of tanks.	I 28 10S 27E	N/A	
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		11100	
Brends 4	Jodfress	If this is a sequest for elloy	compliance with RULE 1104, vebic for a newly drilled or daspened
(Silm	niwe)	well, this form must be accompa- tests taken on the well in accom-	aled by a tabulation of the deviation
	n Analyst		at be filled out completely for allow-
12/31	/86	Fill out only Sections 1, 1	I, III, and VI for changes of owner,
(De	ele)	Mall name of number, or franchor	er, or ether such change of condition.
•			

NO. OF COPIES RECEIV	ED								C-105	
DISTRIBUTION									ed 11-1-X	
SANTA FE		RECEIVED	MEXICO OIL CO	NSEŘVÁTIC) ИС	OMMISSION	1		tte Type of Lease	
FILE		WELL COMPLI	TION OR REC	COMPLETIC	ON F	REPORT	AND LOG	1	U & Gas Lease No.	
U.S.G.S.		JAN -21	987		,	1.1.1		LG-7		
LAND OFFICE			130 1	an a G 🐪	- 1	1111		1777		
OPERATOR	┸	O. C. I				,				
Id. TYPE OF WELL		ARTESIA, O	FFICE		·			7. Unit A	greement Name	
	OIL	LL XX GAS WELL		٠				N/A	•	
b. TYPE OF COMPLE	WE TION	LL LOUGH WELL	DRY L) OTHER				8. Farm o	r Leaso Namo	
MEN XX WO		EN PLUG BACK	DIFF.	OTHER				Hanl	ad "A" State	
2. Name of Operator			7	<u> </u>				9. Well No.		
Hanson Ope	rating Com	pany, Inc. 🗡						1		
3. Address of Operator								1	and Pool, or Wildcat	
	#1515, Rost	well, New Me	xico 88202	-1515				Undes	Diablo San Andres	
4. Location of Well										
_		1.050	Const	1_		220				
UNIT LETTERI	LOCATED	LOOU FEET F	ROM THE SOUT	I LINE AND	~~	330	FEET FROM	77777		
731.	30	30.0	07 5		///			12, Count		
THE East LINE OF	SEC. 28 .	rwe, LU-S ag	Compl. (Part)	Prod	777	INIII		Chave	() () () () () ()	
09/25/86	12/15,		.2/23/86	r-roa.) [18.		36' GR	KKB, KI, (rn, etc.) 19	3836 [†]	
20. Total Depth		ng Back T.D.		ole Compl., Ho			ıls Rotar	y Tools	Cable Tools	
2137'		L23'	1 Many	N/A		Drilled		, 10013	0 - 2137'	
24. Producing Interval(s	s), of this comple	tion - Top, Bottom							25, Was Directional Survey	
2072-82' -	San Andres	5							Made	
									No	
26. Type Electric and C	ther Logs Run							27.	Was Well Cored	
Compensate	d Neutron I	Density			•				No	
28.		CAS	ING RECORD (Re	port all string	s set	in well)	•			
CASING SIZE	WEIGHT LB.	/FT. DEPTH	ISET HO	LE SIZE		CEME	TING REC	ORD	AMOUNT PULLED	
8-5/8"	24#	5	00'	12-1/4"			te,200 s			
5 3 (0.11							100 sx			
5-1/2"	17#		32'	8"			te,100 s			
		LUED DECORE			C				48 sx to surf.	
29.		INER RECORD				30.		UBING RE		
SIZE	ТОР	воттом	SACKS CEMENT	SCREEN		SIZE		PTH SET	PACKER SET	
						2-3/8	<u> </u>	21.12.	N/A	
31. Perforation Record (Interval, size an	d number)	L	32.	ACII	SHOT F	RACTURE	CEMENT S	QUEEZE, ETC.	
2072-82' (2				DEPTH					IND MATERIAL USED	
2072 02 (o obii,			2072-8					NEFE ac	
			•			···	w/addit			
33.				UCTION						
Date First Production		ction Method (Flou		oing - Size an	d typ	e pump)			us (Prod. or Shut-in)	
12/24/86		mping - 2xl						Produ	, 	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	OII — BЫ.	ı	Gas MCF	1	r – Bbl.	Gas - Oll Ratio N/A	
12/26/86	Castna Bressyr	Colonial - 3 01	Oil - Bbl.	<u> </u>	JCE			1		
Flow Tubing Press.	Casing Pressur	e Calculated 24 How Rate	12	Gas 1	исғ О	Wa	iter – Bbl. 1	101	1 Gravity - API (Corr.) 25.5	
34. Disposition of Gas (l Sold, used for fue	el, vented, etc.)	<u> </u>					Witnessed		
N/A David Sweeney										
35. List of Attachments										
Form C-104										
36. I hereby certify that	the information s	hown on both sides	s of this form is tri	ie and comple	ie w	the best of	my knowled	ge and belie	·ţ.	
11		//								
SIGNED BYLL	VAQ. XX	Todlkey	TITLE P	roduction	ı Ar	nalvst]	L2/31/86	

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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs, run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the composition allowed drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Bule 1105.

state fund, where six comes	are required. Net state 1100.	That 2 - 12 y	•
•	••		i i
INDICAT	E FORMATION TOPS IN CONI	FORMANCE WITH GEOGRAPHICAL S	1
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T 4-b- 170'	T. Canyon	T. Ole Alexa	estem New Mexico
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			T. Penn. "D"
T. Votos	T Mice	T Cliff House	T. Leadville
			T. Madison
			T. Elbert
T Granburg			T. McCracken
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T. Glorieta			T. Granite
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T. Abo	T. Bone Springs	T. Wingate	т
T. Wolfcamp	T	T. Chinle	T
T. Penn.	T	T. Permian	T
T Cisco (Bough C)	T	T. Penn. "A"	T
	011 0	R GAS SANDS OR ZONES	
No. 1. from. 2072'	to 2082 ¹		to
No. 2, from	to	No. 5, from	to
No. 3. from	10		to
	•	•	
	IMP	ORTANT WATER SANDS	•
Include data on the of water	inflow and elevation to which wi	in hole	
include data on fate of water	innow and elevation to which wi	tter rose in noie.	
No. 1, from	toto	feet.	Photograph
No. 2, from	toto	feet.	
No. 3, from	10	feet.	······································
No. 4, from	to	feet.	••••••
		(Attach additional sheets if necessar	y)
			·

From	• То	Thickness in Feet	Formation	From	n T	ro .	Thickness in Feet	Formation
0'	170'	170	Redbeds					
170'	305'	135	Anhydrite					
305 '	405'	100	Salt, anhydrite					
405'	915'	510'	Sand, red shale, anhydrite					
915	1450'	545'	Sand, red shale, anhydrite	, li	ne			
1450'	TD		Dolomite					,
					1			
		}						
		1	•					

		DEC 3 0 1986
Burds F. Godfrey	Production Analyst	DATE 12/24/86
I hereby certify that the information above is true and comp	lete to the best of my knowledge and belief.	
	•	
		•
	•	
	•	.
w ⁵		
•	·	
Flow & swab test well.		
Ran perf gun & shot 2 SPF interval Acidized w/5,000 gal 20% NE FE ac		•
Describe Proposed or Completed Operations (Clearly state work) SEE RULE 1903.	all pertinent details, and give pertinent dates,	including estimated date of starting any propos
OTHER -		•
	orner Perforate	& acidize
·'.	E PLANS EASING TEST AND CEMENT JOS	
EMPORARILY ARANDON	AND ABANDON FREMEDIAL WORK COMMENCE DRILLING OPNS.	ALTERING CASING PLUG AND ABANDONMENT
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15. Elevati 3836	on (Show whether DF, RT, CR, etc.)	12. County Chayes
		- MAPAL
East 28	WASHIP 10-S RANGE 27-E	
I 1650 FEET FROM	THE South LINE AND 330	Undes Diablo SA
Location of Well		10. Field and Pool, or Wildcat
P. O. Box #1515, Roswell, New Me:	xico 88202-1515	9. Well No.
Hanson Operating Company, Inc.		HANLAD "A" STATE
Name of Operator		N/A B. Farm of Lease Name
OIL TO CAR [7. Unit Agreement Name
SUNDAY NO LICES AND	REPORTS ON WELLS DEEPEN ON PLUC SACA TO A DIFFERENT RESERVOING ON C-101) FOR SUCH PADPOSALS.	
ARTESIA, OFF	CE CIL	IG-7426
OFENATOR O, C. D.	MIII 14N - 2 100, 111, 11	5. State Oil & Gas Lease No.
U.3.0,3.	36	State X Fee
RECEIVER RECEIVER	TA FAINEW MEXICO 8750	Revised 10-
DISTRIBUTION	O 50 V 2000	Form C-103
	ONSERVATION DIVISION	

OIL CONSERVATION DIVISION	Form C-103
RECEIVED BY NEW MEXICO 87501	Revised 19-1
[] [] [] [] [] [] [] [] [] []	So. Indicate Type of Lease
DEC 29 1986 JAN - 2 1937	State X Fee
O. C. D.	5. State Oil & Gas Lease No. IG-7426
APTESIA OFFICE CONSCIENT AND	
SUNDRY NOTICES AND REPORTS UN WELLS IDO NOT USE THIS FORM FOR PROPOSALS TO BRILL OR TO DEFEN OR PLUE BACA TO A DIFFERENT RESTRICTION. DES "APPLICATION FOR PROMIT -" IFORM C-101) FOR SUCH PROPOSALS.	
ου (▽) «Δ# []	7. Unit Agreement Name
WELL MELL OTHER-	N/A 8. Farm of Lease Name
Hanson Operating Company, Inc.	HANLAD "A" STATE
Address of Operator	9. Well No.
P. O. Box #1515, Roswell, New Mexico 88202-1515	1
Location of Well	10. Field and Pool, or Wildeat
UNIT LETTER I 1650 FEET FROM THE SOUTH LINE AND 330 FEET FROM	Undes Diablo SA
East LINE, SECTION 28 TOWNSHIP 10-S RANCE 27-E NAPM.	
15. Elevation (Show whether DF, RT, CR, etc.)	12. County
	Chaves
Check Appropriate Box To Indicate Nature of Notice, Report or Oth	er Data
NOTICE OF INTENTION TO: SUBSEQUENT	REPORT OF:
TAFORM BEMEDIAL WORR PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
CMPORARILY ABANDON COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
JEL OR ALTER CABING CHANGE PLANS CASING TEST AND CEMENT JOB	
OTHER	
014ER	
Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including two-k) SEE RULE 1703.	stimated date of starting any propos
	•
Ran & cemented 53 jts J55 5½" 17# casing, set @ 2132'. Cem w/250 sx Halliburton Lite w/5# salt & ½# flocele/sk, followed by 1	.00 sx Class "C"
& 100 sx POZ mix "A" w/2% gel & 5# salt/sk. Plug dn @ 3:00 p.m. Pressu	red to 500 psi -
held OK. Circ 48 sx to pit. WOC 48 hrs.	
· · ·	
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\cdot	•
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Brends of Godfrey Title Production Analyst	DATE 12/23/86
OVER BY LONGIST TITLE GUPERVISOR, DISTRICT II	DEC 30 1986
IDITIONS OF APPROVAL, IF ANYS	

	· OIL CONSERVA	HON DIVISION	
DISTRIBUTION	Р, О, ВОХ	2088	Form (-103 -
BANTA FE	RECEIVEDEBYVEW	MEXICO 87501	Revised 10-1-
711.5			Sa. Indicate Type of Lease
U.S.O.S.	OCT 1 5 1000	•	State X Foo
LAND OFFICE	OCT 15 1986		5. State Oll 6 Gas Lease No.
DERATOR	O. C. D.		IG-7426
	A REPORT APPROP	<u> </u>	113,1450
SUNDRY NO	TICES AND BERTOFS ON	YELLS	
USE "APPLICATION FOR	PERMIT -" IFORM C-TOLL OR SUCH	PADPOSALS.)	
01L [V] 5A3 []	व्यवस्तिग्रेश्चा।	RECEIVED BY	7. Unit Agreement Name
week X week I To Too	1975/1		N/A
Name of Operator	/1000	OCT 17 1986	B. Farm or Lease Hame
Hanson Operating Company,	Trg K 1986 [[]]		HANLAD "A" STATE
Address of Operator	WO WARN TO THE PARTY OF THE PAR	O, C. D.	9. Well No.
P. U. BOX #1515, ROSWEIU,	New Mexica Dw8202-151	ARTESIA, OFFICE	1
P. O. Box #1515, Roswell,	SANTAFE		10. Field and Pool, or Wildcat
I 1650	South	LINE AND . 330	Undes Diablo San Andre
East	28 TOWNSHIP 10S	27F	
THE LINE, SECTION	TOWNSHIP TOD	RANCEN	
mmmmmm	15. Elevation (Show whether D	F. RT. GR. etc.)	12. County
	3836 GR		Chaves
		·	
1,	priate Box To Indicate Na		
NOTICE OF INTENT	rion to:	SUBSEQU	ENT REPORT OF:
4 4		_	
AFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
MPORARILY ABANDON	· _1	COMMERCE DRILLING OPHS.	PLUG AND ABANDONMENT
LL OR ALTER CASINE	CHANCE PLANS	CASING TEST AND CEMENT JOS 💢	·
**		OTHER	
DTHER *		•	•
			2
Describe Proposed or Completed Operation: work) SEZ RULE 1103.	E (Clearly state all pertinent detail	s, and give pertinent dates, inclu	ding estimated date of starting any propose
			•
Spud @ 8:00 a.m., 09/25/8	16		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			•
Ran 500' 8-5/8" csg. Pmpd	50 BRIS delled wtr w/	500# fresh wtr cel	
Cem w/200 sx Halliburton	Tite w/2# flocale 10#	gel 38 CaCl/ev fol	lowed
by 200 sx Class "C" cemen	t w/3% CaCl. Circ 100	sx Halliburton Lite to	n nit
WOC 4 days. Pressured up	to 400# for 30 minutes	- held OK.	o bre:
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		and based on the start	
Thereby certify that the information above is	itsue and complete to the best of n	anomitaka wun pener.	
18 1.10 11.	_		10/12/06
" Brends 4 Gods	Kly TITLE Pro	duction Analyst	10/13/86
1111			
X 3/4 ////	emp	ERVISOR, DISTRICTI II	OCT 20 1986
OVED BY / JOS N/1 (UM)	TITLE SUL	MANAGEMENT OF	DATE UGI AU ISOU
DITIONS OF APPROVAL, IF ANYS			
-		•	

P. O. BOX 2088 SANTA FE. NEW MEXICO 8750

Form C-102 Revised 10

All distances must be from the outer houndaries of the Section. Phetolo Well Ho. Hanson Operating Company, Inc. Hanlad "A" State 1 Section 10 South 27 East Chaves Actual L'aptoge Location at Wells 1650 330 · Icol Imm Ilia East South feet from the Producing Formation 3836 San Andres Diablo San Andres 1. Outline the acreage dedicated to the subject well-la colored pencil or hachure marks on the plat below. RECEIVED BY 2. If more than one lease is dedicated to the fell, outline each and identify the ownership thereof (both as to work interest and royalty). SEP 23 1986 3. Il more than one lense of different ownership is dedic ordiophe well, have the interests of all owners been conso dated by communitization, unitization, force-proling ARTERIA, Craige Il answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side 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 Divisi CERTIFICATION I hereby certify that the Information co toined herein is true and complete to the best of my knowledge and belief. Brenda R. Godfrey Production Analyst Hanson Operating Co., Inc. September 17, 1986 I hereby certily that the well location shown on this plat was platted from lie notes of actual surveys made by me Is five and correct to the knowledge and belief. September Date Surveyed P. R. Patto 8112 1000

		• -				•	30 - vc	3-66341
NO. DE COPILS MECEIVED								1/
DISTRIBUTION		DEYER	MEDICA OIL CON	SERVATION COMM	15510	N	Form C-101	V
SANTA FE V	4-11	MECE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ومستمر	• • • •	Revised 14-	
FILE	\	CED	93 1986 7515		1111			e Type of Lease
U.S.G.S.	4-41	JE r	23 1986	11-15-11-	ΠD		STATE	
LAND OFFICE	1 1		1.01		- { } { } { } { } { } {	l		& Gas Lease No.
OPERATOR	▗▁▁▏▐	ADTE	SHA, OFFICE	SEP 2 6 1986	$\Pi \sqcup$	- [LG-74	126
<u> </u>	<u> </u>	The same of the sa	1111		الدين الدين المراد ا	<u>'</u>		
APPLICATIO	N FOR PE	RMIT TO	DRILL, DÉEPE	OR PLUG BAC	Kuiti	•	7777777	
14. Type of Work			OIL O	SANTA FE		1		eement Name
DRILL X			DEEPEN	F	LUG E	BACK 🔲	N/A	
b. Type of Well	-		. —					ease Name
OIL WELL WELL	0:н	ER	·	SINGLE ZONE	MUL	ZONE		D "A" STATE
2. Name of Operator	·	T == √				ł	9. Well No.	
Hanson Operating C	onpany,	ше.		<u> </u>			<u> </u>	nd Pool, or Wildcan
P. O. Box #1515, F	200.2011	Nort Mon	vico 88202_1	:1 E		\sim		•
							Undes D	piablo San And
UNIT LETTE	<u>I</u>		1650 Teater 1650	FEET FROM THE	Sout	T FINE		
	5 0.		00		υ,	F		
AMP 330 FEET FROM	THE Eas	ST LIM	12 OF SEC. 28	7WP 10S REE	irri	TE """"	12. County	<i>m####</i>
	///////					1111111	Chave	
	<i>+++++</i> +	+++++	444444	444444	44	<i>HHH</i>		HHHH
	4444	4444	444444	19. Ficrosed Depth	7777	SA. Formation	777777	20. Rolery or C.T.
	///////			22001	- 1			Cable Tool
21. Elevations (Show whether DF,	RT. etc.)	1 21 4 Kind	6 Status Plug. Band	2200 2iB. Drilling Contro		San And		. Date Work will stem-
1.	, , , ,	1	tewide	N/A			1	mber 22, 1986
3836 GR) Stat	<u>ewide</u>	IVA			septe	110c1 22, 1300
2 0.		P	ROPOSED CASING A	ND CEMENT PROGR	AM			
SIZE OF HOLE	SIZE OF	CASING	WEIGHT DED FOR	TI SETTING DE	DTU	TEACKE OF	CEMENT	EST TOB
12-1/4"		5/8"	WEIGHT PER FOO	5001	FIH	150	CEMENT	EST. TOP Circulate
8 ⁿ		1/2"	15#	22001		450	·	Circulate
8		L/ Z	TO#	2200		1 430		Circulate
-d -		**						
It is proposed to drill the above-mentioned well with cable tools to a depth sufficient to test the San Andres formation. If commercial production is indicated, pipe would be set. The well will be perforated and stimulated as needed.								
We request that th	റ്ടയമി	he kent	· ımder "Micht	Hole" stimul	atio	ons.		
ine request time the	خيادب ۲۲ سيد	nept	- u-u i-gm					
Section 2		•						
•	-	•						
No.		. •						
	:		•				VALUE 50	on 100 nave
				•		APPROVAL	_ VALID FO	DR 180 DAYS
						PERMIT	EXPIKES	3-23-87
. *						UNLES	S DRILLIN	G UNDERWAY
			,					
ABOVE SPACE DESCRIBE PRO	POSED PRO	GRAM: IF P	ROPCSAL IS TO DEEPER	OR PLUG BACK, GIVE D	ATA Dh	PRESENT PROD	UCTIVE ZONE	AND PROPOSED NEW PRO
hereby certify that the information	above is tru	se and compl	lete to the best of my	knowledge and belief	•			
irned Brunda 4	P. Loa	skey.	Title Produc	tion Analyst		D.	sep Sep	t. 17, 1986
(This space for St	ate NEE	15	1					
KasiHi	8. [M	ment	SUPERVI.	SOR, DISTRICT L	1		SEP :	2 3 1986
PHOVED BY			TITLE			D,	ATE	
ONDITIONS OF APPROVAL, IF I	ANY:							

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WRS COMPLETION REPORT COMPLETIONS SEC 28 TWP 10S RGE 27E PI# 30-T-0001 02/02/87 30-005-62341-0000 PAGE 1 NMEX CHAVES * 1650FSL 330FEL SEC NE SE HANSON OPERATING D0 OPERATOR WELL CLASS INIT FIN 1 HANLAD "A" STATE WELL NO. DIABLO FIELD POOL AREA API 30-005-62341-0000 LEASE TYPE NO. PERMIT OR WELL I.D. NO. 09/25/1986 12/26/1986 ROTARY SPUD DATE COMP. DATE TYPE TOOL 2200 SN ANDRS NOT RPTD PROJ. DEPTH ***** PROJ. FORM **CONTRACTOR DTD 2137 PB 2123 FM/TD SN ANDRS DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D. LOCATION DESCRIPTION 18 MI NE DEXTER, NM CASING/LINER DATA CSG 8 5/8 @ 500 W/ 400 SACKS CSG 5 1/2 @ 2132 W/ 450 SACKS TUBING DATA TBG 2 3/8 AT 2115 INITIAL POTENTIAL IPP 12BOPD 24HRS 1BW SN ANDRS PERF PERF 2072- 2082 ACID 2072- 2082 20% NEFE GTY 25.5 2/FT 2072- 2082 5000GALS GOR (TSTM) TYPE FORMATION LTH TOP DEPTH/SUB BSE DEPTH/SUB 170 316 LOG RUSTLER 3666 405 3520 3431 LOG SALT QUEEN 915 LOG 2921 SN ANDRS LOG 1415

CONTINUED IC# 300057003786 Petroleum Information

PI-WRS-GET

The Dunk Bradstreet Corporation

COMPLETIONS SEC 28 TWP 10S RGE 27E PI# 30-T-0001 02/02/87 30-005-62341-0000 PAGE 2

HANSON OPERATING

D0

HANLAD "A" STATE

LOGS AND SURVEYS /INTERVAL, TYPE/

LOGS

CNDL

DRILLING PROGRESS DETAILS

09/29 01/27

HANSON OPERATING
BOX 1515
ROSWELL, NM 88202
505-622-7330
LOC/1986/
2137 TD, PB 2123
COMP 12/26/86, IPP 12 BO, 1 BWPD,
GOR (TSTM), GTY 25.5
PROD ZONE - SAN ANDRES 2072-2082
NO CORES OR DSTS RPTD

State of New Mexico



W.R. HUMPHRIES

COMMISSIONER



CAPE FIRE- 9902

Commissioner of Public Lands

P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148

April 3, 1990

Mr. David Catanach
Energy, Minerals & Natural Resources Dept.
Oil Conservation Division
P. O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RE: Application for a Salt Water Disposal

Dear Mr. Catanach:

Application is being made to the Oil Conservation Division from Hanson Operating Company, Inc. for approval of a Salt Water Disposal in Section 28, Township 10 South, Range 27 East within the NE&SE&, Chaves County.

The Commissioner of Public Lands has no objections at this time for your approval of the above application. However, the Commissioner reserves the right to refuse to grant a salt water lease when it would be detrimental to the Trust. As you know the applicant has a right under his valid Oil & Gas lease to dispose of the salt water subject to your approval. However, if he is going to inject salt water from wells outside of the leased premises he will have to apply for a salt water disposal easement from us.

If you have any questions, please call us at 827-5724.

Hadella

Sincerely,

Zilla Porter Padilla Commercial Resources

ZPP/LRM/jm

cc: Date File

Mr. William F. Carr

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

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

July 18, 1990

Hanson Operating Co. P.O. Box 1515 Roswell, NM 88202-1515

Attention: David Sweeney

RE: Injection Pressure Increase Hanlad "A" State No. 1 Chaves County, New Mexico

Dear Mr. Sweeney:

Reference is made to your request dated July 9, 1990, to increase the surface injection pressure on the Hanlad "A" State SWD No. 1. This request is based on a step rate test conducted on the well on July, 1990. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well.

WELL AND LOCATION

MAXIMUM INJECTION SURFACE PRESSURE

Hanlad "A" State No. 1 Unit I, Section 28, T-10 South, R-27 East, NMPM, Chaves County, New Mexico. 1090 PSIG

Injection Pressure Increase Hanson Operating Company, Inc. July 18, 1990 Page 2

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay

Director

cc: Oil Conservation Division - Artesia

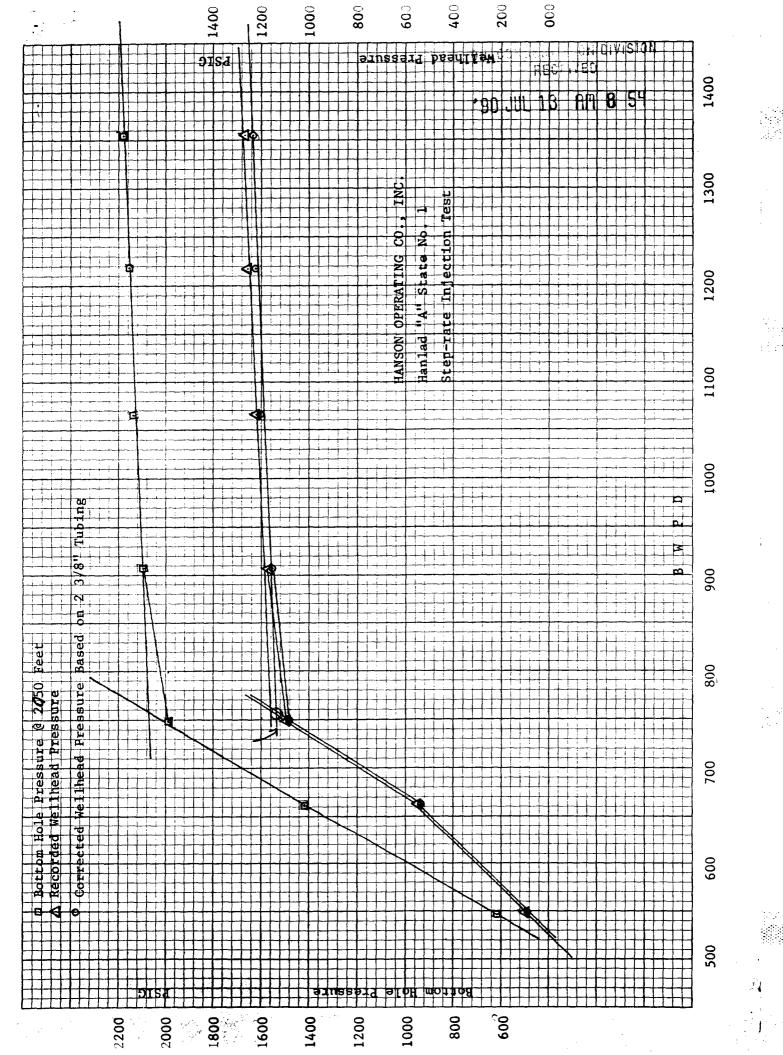
File: Case No. 9902

T. GallegosD. Catanach

COMPANY: Hanson Operating Company,	Inc.
ADDRESS: D.O. Box 1515	
	63-175
ATTENTION: David Sweeney	_
Re:	Injection Pressure Increase
	Chaus County, New Mexico
Dear Sir:	
Reference is made to your request dated increase the surface injection pressure Sub Kin / This request	on the state on a step rate
test conducted on the well on Johy f of the test have been reviewed by my stainjection pressure on the well is justification.	$\frac{19}{60}$. The results off and we feel an increase in fied at this time.
You are therefore authorized to increase pressure on the following well:	the surface injection
Well & Location	Maximum Injection Surface Pressure
Hanlad "A" Stat No.1	1090 1816
Mondail "A" Stat No. 1 Und I, Sectar 25, T-NSouth, R- 2788 St.	
The Division Director may rescind this i	niection pressure increase if

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

xc: T. GALLEGOS
D. CATANACH
FILE- (Car No. 940)
OCD- Arlesia



JOHN WEST ENGINEERING CO. Step Rate Injection Test

Well Name Hanlad "A" State No. 1

CO. Name Hanson Operating Co., Inc.

Ddfe July 9, 1990

Remarks	Time	Tbg. Press.	Rate B P D	. Total	ВНР	Tbg. Press.	Rate G P M	TOTAL
				BOMB SET @ 2050'				
	10:15	55.70		0	279.40			
	10:20	56.90	547.20	1.9	334.10			•
	10:25	68.20	547.20	3.8	469.40			,
Rate I	10:30	93.40	547.20	5.7	614.30	87.6	15.96	5.797
			547.20					
	10:35	123.70	691.20	8.1	805.80			···
	10:40	252.30	662.40	10.4	1062.30			
Rate II	10:45	547.50	633.60	12.6	1426.60	539.2	19.32	8.254
			662.40					
	10:50	871.90	748.80	15.20	1772.0			
	10:55	1034.00	748.80	17,80	1933.40	-		
Rate III	11:00	1091.30	748.80	20.40	1994.70	1080.9	21.84	10.356
			748.80					
	11:05	1134.60	662.40	22.70	2052.00			
=1	11:10	1156.30	892.80	25.8	2076.50			
Rate IV	11:15	1172.70	921.60	29.0	2091.10	1157.9	26.46	14.769
			907.2					
	11:20	1205.70	1065.60	32.7	2121.40			
	11:25	1214.50	1065.60	36.4	2130.90			
Rate V	11:30	1219.50	1065.60	40.1	2135.90	1199.6	31.08	19.891
			1065.60					
·	11:35	1231.00	1209.60	44.30	2152.70			
	11:40	1232.10	1209.60	48.50	2156.80			· · · · · · · · · · · · · · · · · · ·
Rate VI	11:45	1246.00	1238.40	52.80	2158.70	1220.5	35.56	25.518
			1219.19					
	11:50	1252.20	1353.60	57.50	2171.70			
	11:55	1270.30	1353.60	62.20	2179.50			
Rate VII	12:00	1270.40	1353.60	66.9	2183.50	1239.4	39.48	30.964
			1353.60)				
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JOHN WEST ENGINEERING CO. Step Rate Injection Test

Well Name Hanlad "A" State No. 1

Date___July 9, 1990

CO. Name Hanson Operating Co.. Inc.

Remarks Time Tbg. Press. Rate BPD Total B H P Tbg. Press. Rate GPM TC Fall-off 12:01 1214.00 2131.00 2131.00 2113.00	OTAI.
12:02 1192.00 2113.00 12:03 1179.00 2100.00 12:04 1169.00 2090.00 12:05 1160.00 2080.00 12:06 1151.00 2071.00 12:07 1142.00 2063.00	
12:03 1179.00 2100.00 12:04 1169.00 2090.00 12:05 1160.00 2080.00 12:06 1151.00 2071.00 12:07 1142.00 2063.00	
12:04 1169.00 2090.00 12:05 1160.00 2080.00 12:06 1151.00 2071.00 12:07 1142.00 2063.00	•
12:05 1160.00 2080.00 12:06 1151.00 2071.00 12:07 1142.00 2063.00	
12:06 1151.00 2071.00 12:07 1142.00 2063.00	
12:07 1142.00 2063.00	
12:08 1134.00 2054.00	
	·····
12:09 1127.00 2046.00	
12:10 1119.00 2039.00	
12:11 1111.00 2030.00	
12:12 1104.00 2023.00	
12:13 1096.00 2016.00	
12:14 1087.00 2008.00	
12:15 1079.00 2001.00	
	
	

P.O. BOX 1515

ROSWELL, NEW MEXICO 88202-1515

PHONE AC 505-622-7330

RECEIVED

September 20, 1990

New Medico Uil Conservation Division Mike Williams
F. U. Lrawer DD
Artesia, New Mexico 88210

SEP 21 '90'

Or or

RE: Hanlad "A" State Battery #1
Well #1
Sec.28-T.20S-R.27E
Chaves County, New Mexico

bear Mr. Williams:

manson Operating Company, Inc. has recently deepened the above captioned weil. We are requesting the interval from $\pm 034-2658^{\circ}$ (San Andres) to be used for the injection of produced water.

If you have any questions or if I may be of further assistance, please notify we.

Sincerely,

Hanson Operating Company, Anc.

navio pweemey

Drilling & Production Superintendent

05/1)



September 30, 1990

New Mexico dil Conservation Division David Latanach Room akt Biv did Sansa Fe Trail Santa Fe, New Mexico 87503

RE: Haniao "A" State battery #1
Well #1
Sec.28-T.205-R.27E
Chaves County, New Mexico

Dear Mr. Catanach:

Hanson Operating Company, Inc. has recently deepened the above captioned well. We are requesting the interval from 2034-2656' (San Andres) to be used for the injection of produced water.

if you have any questions or if I may be of further assistance, please notify me.

Sincerely,

Hanson Operating Company, Anc.

David Sweeney

Donilling & Production Superintensent

05/1)

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

September 27, 1990

GARREY CARRUTHERS
GOVERNOR

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

Hanson Operating Co. Inc. P.O. Box 1515 Roswell, New Mexico 88202-1515

Attention: David Sweeney

Re: Amendment of Order No. R-9156

Dear Mr. Sweeney:

Reference is made to your request dated September 20, 1990, to expand the injection interval in the Hanlad "A" State Well No. 1 located in Section 28, Township 20 South, Range 27 East, NMPM, Chaves County, New Mexico, to include the perforated interval from approximately 2034 feet to 2658 feet. It is our understanding that Division Order No. R-9156, dated April 19, 1990, authorized the use of said well as a San Andres disposal well with injection into the perforated interval from approximately 2034 feet to 2082 feet. It is further our understanding that the additional injection interval, 2083 feet to 2658 feet is within the San Andres formation.

You are hereby authorized to expand the injection interval in the subject well to include the total interval from approximately 2034 feet to 2658 feet. All other provisions contained within Division Order No. R-9156 shall remain in full force and effect.

Sincerely,

David Catanach

átar

Engineer

xc: OCD-Artesia Case File-9902

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

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

December 12, 1990

Hanson Operating Company, Inc. P.O. Box 1515 Roswell, NM 88202-1515

Attention: David Sweeney

RE: Injection Pressure Increase

Hanlad "A" State Well No. 1 Chaves County, New Mexico

Dear Mr. Sweeney:

Reference is made to your request dated November 20, 1990, to increase the surface injection pressure on the Hanlad "A" State Well No. 1. This request is based on a step rate test conducted on the well on November 15, 1990. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well.

WELL AND LOCATION

MAXIMUM INJECTION SURFACE PRESSURE

Hanlad "A" State Well No. 1 Unit I, Section 28, T-10 South, R-27 East, NMPM, Chaves County, New Mexico. **1530 PSIG**

Injection Pressure Increase Hanson Operating Company, Inc. December 12, 1990 Page 2

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay

Director

cc: Oil Conservation Division - Artesia

File: Case No. 9902

D. Catanach

NO WAITING PERIOD /	
COMPANY: Hanson Operating Company, ADDRESS: P.O. Bx 1515	
CITY, STATE, ZIP: Roswell, New Mexico of ATTENTION: David Swanny	<u>98.26.9 -/575"</u>
Re: Inj	ection Pressure Increase and "A" State Well No. 1
	Mawes County, New Mexico
Dear Sir:	
test conducted on the well on About 15 of the test have been reviewed by my staff	It is based on a step rate $\underline{}$, $19\underline{90}$. The results and we feel an increase in
injection pressure on the well is justified	l at this time.
You are therefore authorized to increase th pressure on the following well:	e surface injection
Well & Location	Maximum Injection Surface Pressure
Hanlad A" State Well No.1	<u> 1530 1816</u>
Chair County, New Mexico	
	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

xc: T. GALLEGOS

D. CATANACH
FILE- Case No. 9902
OCD- Arlesa



190 NBJ 25 - AT **10 15**

HANSON OPERATING COMPANY, INC.

P.O. BOX 1515

ROSWELL, NEW MEXICO 88202-1515

PHONE AC 505-622-7330

torraber 23. 1900

n. M. Gil Conservation Division Room 200 3:0 Eta Santa Fe Trail Bunta -e. New Mexico 87503

Attention: Pr. David Catanach

lear "n. Latanach:

Httached, please find the intermation on the Hablad (A) State Battery #1 Well #1, Sec. 28, T. 10S, R. 28 E. Chaves County, New Mexico, indicating the results of the Step-Rate Test that was performed on November 15. 1990.

Hanson Operating Company, Inc. is requesting, after review of this information, a higher disposal pressure than what was previously allowed by the State of New Mexico.

If you have any questions or if i can be of further assistance, please notity me.

Sincerely,

Hanson Uperating Company, inc.

lis/a L. Je/lorngs/for Daylo/Sweenes

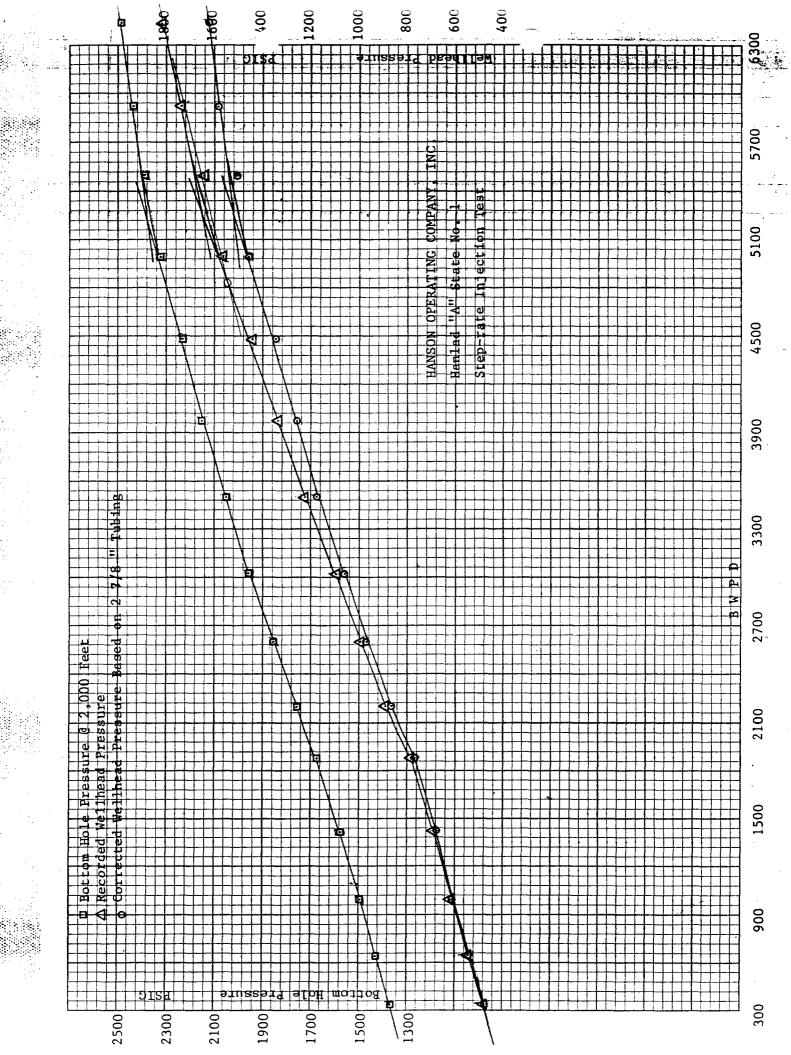
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/lj encl

Care Sweeny verbal to start at 1530 ps/6

12/3/90

Die



JOHN WEST ENGINEERING COMPANY Step Rate Injection Test

Well Name Hanlad "A" State No. 1

Test Date 11/15/90

Remarks	Time	Tbg. Press.	Rate B P D	Total	внр	Tbg. Press.	Rate G P M	Total
·				BOMB SET @ 200	op'			
	10:15	429.60	· · · · · · · · · · · · · · · · · · ·	0	1326			
	10:20	451.00	345.60	1.2	1351.0	L.,,		
	10:25	461.00	316.80	2.3	1361.00			
Rate I	10:30	478.60	345.60	3.5	1374.00	477.8	9.80	0.757
	10:35	504.00	662.40	5.8	1400.00			
	10:40	522.10	633.60	8.0	1417.00			
Rate II	10:45	527.70	662.40	10.3	1426.00	525.1	19.04	2.585
			652.80					
	10:50	573.00	1036.80	13.9	1459.00			
Town 20 AV 2010 - 3 Town 10 To	10:55	606.70	950.40	17.2	1480.00			
Rate III	11:00	612.20	1008.00	20.7	1496.00	606.5	29.12	5.673
			998.40					
,	11:05	648.10	1411.20	25.60	1536.00			
	11:10	674.80	1411.20	30.50	1554.00			
Rate IV	11:15	687.10	1440.00	35.50	1579.00	676.2	41.44	10.897
- Company of the Comp			1420.80					
2400	11:20	750.20	1872.00	42.00	1622.00			
	11:25	770.00	1872.00	48.50	1647.00			
Rate V	11:30	791.20	1872.00	55.00	1670.00	773.1	54.60	18.150
			1872.00					
	11:35	844.40	2217.60	62.7	1714.00			
	11:40	868.30	2217.60	70.4	1739.00			
Rate VI	11:45	889.60	2188.80	78.6	1760.00	865.0	64.40	24.632
			2208.00					
	11:50	939.20	2592.00	87.0 0	1802.00			
	11:55	967.10	2620.80	96.10	1830.00			
Rate VII	12:00	997.60	2592.00	105.10	1856.00	964.2	75.88	33.366
			2601.60					
	12:05	1057.70	3024.00	115.60	1902.00			
	12:10	1079.40	3024.00	126.10	1931.00			
Rate VIII	12:15	1102.30	3024.00	136.60	1954.00	1058.2	88.20	44.074
			3024.00				-	

JOHN WEST ENGINEERING COMPANY tep Rate Injection Test

Well Name Hanlad "A" State No. 1

Test Date 11/15/90

Company Name Hanson Operating Company, Inc.

			ing Company,	Page 2				
Remarks	Time	Tbg. Press.	Rate B P D	Total	внр	Tbg. Press.	Rate G P M	Tota1
	12:20	1176.50	3513.60	148.80	2004.00			
	12:25	1195.60	3542.40	161.10	2029.00			
Rate IX	12:30	1230.10	3456.00	173.10	2054.00	1172.2	102.20	57.883
			3504.00					
	12:35	1288.90	3916.80	186.70	2093.00	······································		
	12:40	1305.50	4003.20	200.60	2122.00			
Rate X	12:45	1337.40	3974.40	214.40	2146.00	1264.7	115.64	72.747
			3964.80					· · · · · · · · · · · · · · · · · · ·
	12:50	1405.10	4492.80	230.0	2189.00			<u> </u>
	12:55	1417.80	4464.00	245.5	2211.00			
Rate XI	1:00	1440.60	4521.60	261.20	2237.00	1348.9	131.04	91.677
			4492.80					
	1:05	1495.60	4982.40	278.50	2271.00			
	1:10	1517.30	5011.20	295.90	2291.00			
Rate XII	1:15	1560.80	4987.40	313.20	2323.00	1449.4	145.60	111.407
			4992.00					
	1:20	1622.30	5529.60	332.40	2355.00			
	1:25	1645.40	5500.80	351.50	2373.00			
Rate XIII	1:30	1640.20	5500.80	370.60	2382.00	1506.5	160.72	133.750
			5510.40					
	1:35	1697.80	5932.80	391.20	2420.00			
	1:40	1710.60	5961.60	411.90	2431.00			
Rate XIV	1:45	1745.20	5932.80	432.50	2441.00	1591.4	173.32	153.792
			5942.40					
	1:50	1782.30	6422.40	454.80	2469.00			
	1:55	1827.00	6451.20	477.20	2476.00			
Rate XV	2:00	1806.60	6480.00	499,70	2483.00	1627.6	188.16	179-035
			6451.20					
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····								

JOHN WEST ENGINEERING COMPANY

'tep Rate Injection Test

Well Name Hanlad "A" State No. 1

Test Date 11/15/90

Company Name Hanson Operating Company, Inc.

Page 3 Rate Tbg. Rate Tbg. Remarks Time Tota1 BHP Tota1 Press. B P D Press. G P M Fall-off 2:01 1458.3 2361.00 2:02 1446.8 2350.00 2:03 1439.2 2342.00 2:04 1432.8 2336.00 2:05 1426.40 2330.00 2:06 1420.00 2324.00 2:07 1414.80 2318.00 2:08 1409.70 2313.00 1404.60 2:09 2308.00 2:10 1400.70 2303.00



HANSON OPERATING COMPANY, INC. 5/15 622-7330 ING COMPANY, INC. 1

P.O. BOX 1818 ROBWELL, NEW MEXICO 98202-1518

PHONE AC 505-422-7330

FROM FAX NUMBER: (505) 622-7330

PACSIMILE TRANSHISSION

DATE: 11-19-90	TIME:	MST
TOTAL NUMBER OF PAGES:		
TO: OCD		• •
Hanlad "A" State B	att. I well #1	
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PLEASE NOTE

If you do not receive the total number of pages indicated above or do not receive a clear image, please telephone the above representative at the phone number indicated above.

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Step Rate Injection Test

Well Name Hanlad "A" State No. 1

Test Date 11/15/90

Company Name Hanson Operating Company, Inc.

Page 3								
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Step Rate Injection Test

Well Name Hanlad "A" State No. 1

Test Date 11/15/90

Company Name Hanson Operating Company, Inc.

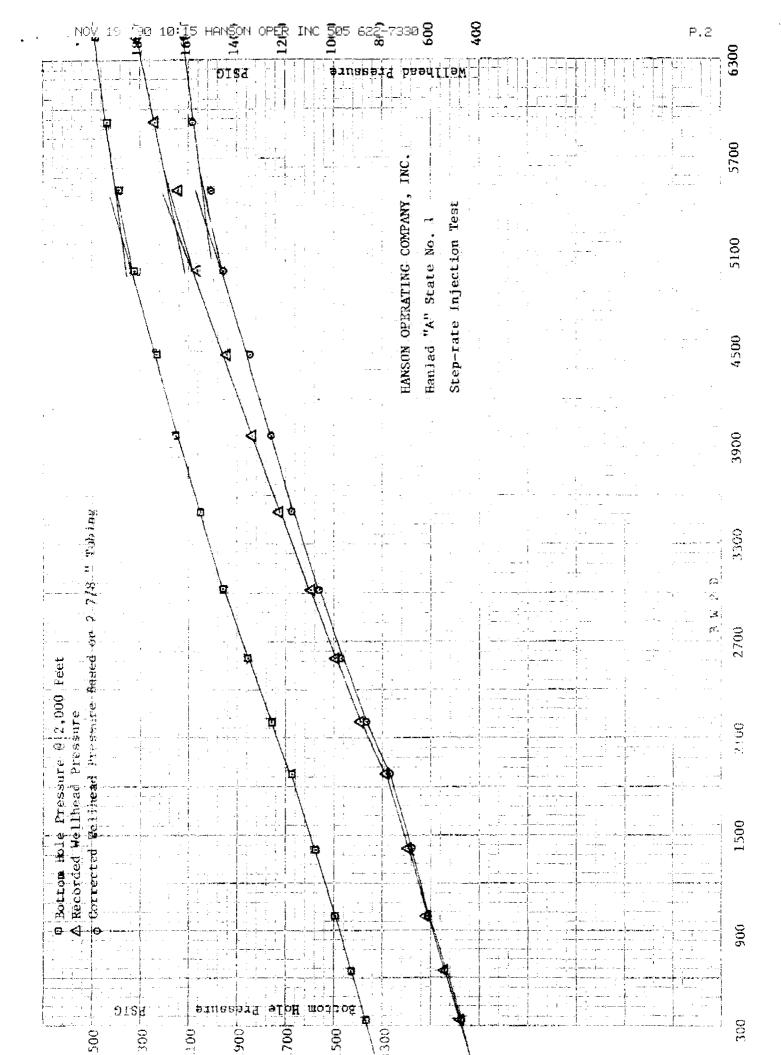
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emarks	Time	Tbg. Press.	Rate B P D	Total	внР	Tbg. Press.	Rate G P M	Total
	12:20	1176.50	3513.60	148.80	2004.00	Not a south		
	12:25	1195,60	3542.40	161.10	2029.00			
Rate IX	12:30	1230.10	3456.00	173.10	2054.00	1172.2	102.20	57.883
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	12:55	1417.80	4464.00	245.5	2211.00			
Rate XI	1:00	1440.60	4521.60	261.20	2237.00	1348.9	131.04	91.677
			4492.80					
The second secon	1:05	1495.60	4982.40	278.50	2271.00			
	1:10	1517.30	5011.20	295.90	2291.00			
Rate XII	1:15	1560.80	4987.40	313.20	2323.00	1449.4	145.60	111.407
	ويسورين والمستعددون ويدربون والمسادر		4992.00	يقتلفن فمستسبب وجران ويستبث بتهجين مستخد		***************************************		
an anning garages of Marine designment of Making a good	1:20	1622.30	5529.60	332.40	2355.00			
······································	1:25	1645,40	5500.80	351.50	2373.00			
Rate XIII	1:30	1640.20	5500.80	370.60	2382.00	1506.5	160.72	133.750
			5510.40	وينادونون والمستعدد والمستعد والمستعدد والمستع				
	1:35	1697.80	5932.80	391.20	2420.00			
	1:40	1710.60	5961.60	411.90	2431.00	and the state of t		!
Rate XIV	1:45	1745.20	5932.80	432.50	2441.00	1591.4	173.32	153.792
	and the second s		5942.40					
	1:50	1782.30	6422.40	454.80	2469.00			
market and the state of the sta	1:55	1827.00	6451.20	477.20	2476.00			
Rate XV	2:00	1806.60	6480.00	499.70	2483.00	1627.6	188.16	179.035
			6451.20	<u></u>				
•								,

Step Rate Injection Test

Well Name Hanlad "A" State No. 1
Company Name Hanson Operating Company. Inc.

Test Date 11/15/90

Remarks	Time	Tbg. Prese.	Rate B P D	Total	внр	Tbg. Press.	Rate G P M	Tota1
				BOMB SET @ 20	1001			
	10:15	429.60		0	1326		.,.	
Mikamahdalaha Prisma menerinta di proper pagapandalah	10:20	451.00	345.60	1.2	1351.0		and the second s	TO SHELL WE SEE THE SHELL WE S
	10:25	461.00	316.80	2.3	1361.00			}
Rate I	10:30	478.60	345.60	3.5	1374.00	477.8	9.80	0.757
				and the control of th		المراجعة والمستحدة والمستحدة والمستحددة والمستحدد والمستحد		
	10:35	504.00	662.40	5.8	1400.00			
والمعارضة والمراجعة والمراجعة والمستقدمة والمستقدمة ومناه	10:40	522.10	633.60	8.0	1417.00			
Rate II	10:45	527.70	662.40	10.3	1426.00	525.1	19.04	2.585
Management of the state of the			652.80	Account to the second s		o de Marke collèges de la come de Markette	,,,	
Marcalland and a second	10:50	573.00	1036.80	13.9	1459.00	and a decision of the state of		
	10:55	606,70	950.40	17.2	1480.00	dutina a Najahanna angali 19 at dan dan dan dan dan		
Rate III	11:00	612.20	1008.00	20.7	1496.00	606.5	29.12	5.673
	The state of the s		998.40	the soon of the land market plan track the first state of the				
	11:05	648.10	1411.20	25.60	1536.00			
	11:10	674.80	1411.20	30.50	1554.00			
Rate IV	11:15	687.10	1440.00	35.50	1579.00	676.2	41.44	10.897
			1420.80	and the same and t				
man makan mili sa nyo nyomitanjiki (Sprintika) akalahakiki 1978.	11:20	750.20	1872.00	42.00	1622.00			
position of the second second	11:25	770.00	1872.00	48.50	1647.00			
Rate V	11:30	791.20	1872.00	55.00	1670.00	7.7.3.1	54.60	18.150
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Mary State and S	11:35	844.40	2217.60	62.7	1714.00			
	11:40	868.30	2217.60	70.4	1739.00			
Rate VI	11:45	889.60	2188.80	78.6	1760.00	865.0	64.40	24.632
المحافظة والمستعدد والمستعددة والمستعدد والمستعد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد وال			2208.00	angerinningstragspaper special section (i.e., p				
	11:50	939.20	2592.00	87.00	1802.00			
-	11:55	967.10	2620.80	96.10	1830.00			<u> </u>
Rate VII	12:00	997.60	2592.00	105.10	1856.00	964.2	75.88	33.366
			2601.60					
gainer processors or	12:05	1057.70	3024.00	115.60	1902.00			
and the same of th	12:10	1079.40	3024.00	126.10	1931.00			
Rate VIII	12:15	1102.30	3024.00	136.60	1954.00	1058.2	88.20	44.074
			3024.00					



STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

April 19, 1990

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

	SANTA FE, NEW MEXICO (505) 827-5800
Mr. William F. Carr Campbell & Black Attorneys at Law Post Office Box 2208 Santa Fe, New Mexico	Re: CASE NO. 9902 ORDER NO.R-9156 Applicant: Hanson Operating Company
Dear Sir:	
Enclosed herewith are two copies of Division order recently entered	
Florene Clavidson	·
FLORENE DAVIDSON OC Staff Specialist	
Copy of order also sent to:	
Hobbs OCD x Artesia OCD x Aztec OCD	
Other	