

PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

NATURAL RESOURCES GROUP Exploration and Production

November 7, 1979

Conversion to Water Injection Service--East Vacuum Grayburg-San Andres Unit Tract No. 3456, Well No. 006 Vacuum Grayburg-San Andres Pool Lea County, New Mexico

New Mexeco Dependent pf Energy and Minerals (3) Oil Conservations Mivision P. O. Box 2088 Santa Fe, NM 87501

Attention: Mr. Joe D. Ramey Division Director

Gentlemen:

We respectfully request administrative approval, as provided by Order No. R5897, Rule No. 9 for the East Vacuum Unit pressure maintenance project, to convert the East Vacuum Grayburg-San Andres Unit, Tract 3456, Well No. 006 to water injection service. The following data is submitted in support of this request.

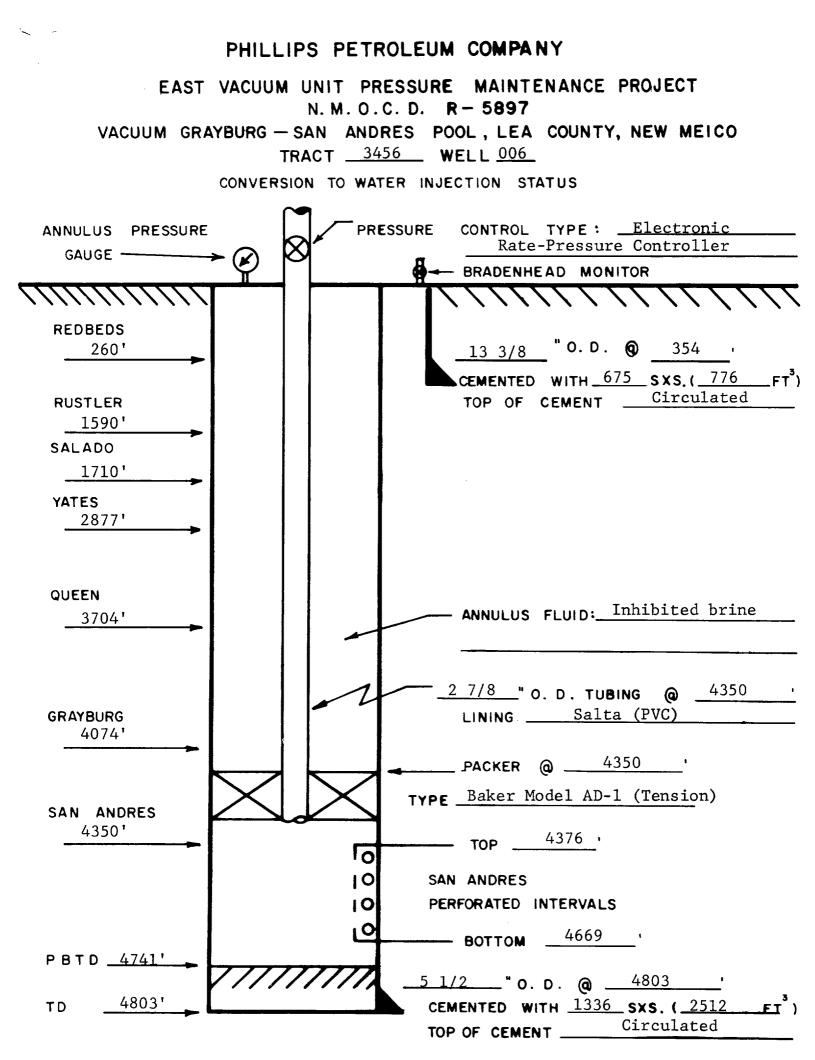
- Unit plat reflecting the proposed injection well and injection well project area. (Well: Unit D, 34, 17-S, 35-E)
- 2. Neutron log of the injection well.
- 3. Diagramatic sketch of the proposed well, injection tubing, packer, and pressure control elements identifying the San Andres perforated injection interval.
- 4. The name of the injection formation is San Andres with injection to be into the interval 4376-4669 feet. Injection will be by gravity with an anticipated maximum of 500 barrels of produced Grayburg-San Andres water per day.

Your consideration and early advice will be appreciated.

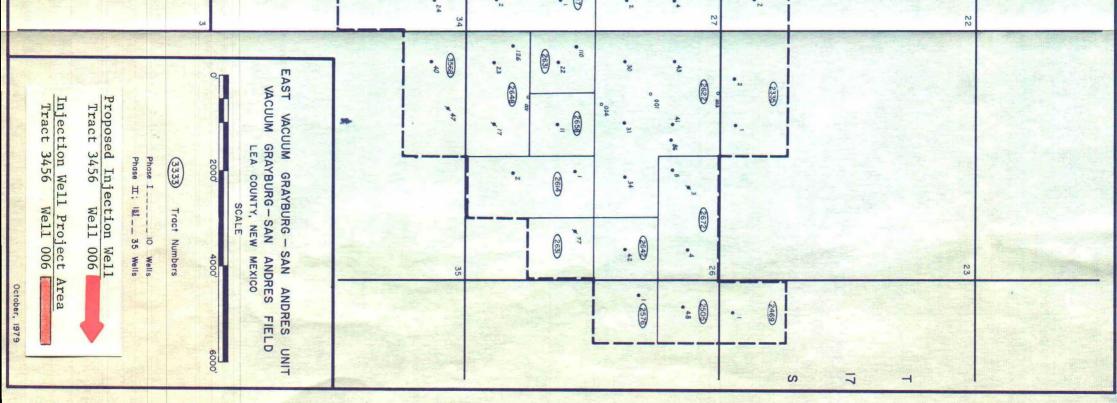
Very truly yours,

T. Harold McLemore Area Regulation and Proration Analyst

THM:rja Attachments cc: Oil Conservation Division Hobbs, New Mexico Attachments w/o Neutron log



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DUAL SPACE NEUTRON LOG

у 456 М.М.	COMPAN	Y PHILLIPS	S PET	ROLEUM	(COMPA	NY			
R 3.	WELL EVGSAU TR 3456 # 006								
Vac Vac	FIELD	EAST VACUUM GRAYBURG SAN ANDRES							
vij11 vij vij vij vij vij vij vij vij vij vij	COUNTY		STATENEW MEXICO						
PetroleumConpanyPetroleumConpanyWellEVGSAUTR783456FieldEastVacuumCountyLeaStateCountyLeaState	Location	1155' FV			T	Other Services:			
COMF Pe WELL FIELD Count	Sec	34 []]	7- S	Rge	35-E				
Permanent DatumGround Level Elev.3936'Log Measured fromK. B 12.6 Kelly BushingFt. Above Perm. DatumDrilling Measured FromKelly Bushing							Elev.: K.B. <u>3948.6'</u> D.F. <u>3946.5'</u> G.L. <u>3636'</u>		
Date		9/7/79							
Run No.		- One -							
Type Log		DSN							
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Depth-Welex		4741		<u> </u>					
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Top Logged Interve		50	<u> </u>	10000			Watar		
Type Fluid in Hole		Acidic		(3900)-1D) r		Surface)		
Salinity, PPM Cl	·	10% Aci				1(10	Surrace)		
Density		Full		<u> </u>		├ ──			
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Operating Rig Tim		3 Hours				+ -			
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Witnessed by		Mr. Thor	pel	Mr. SI	iger 8	Mr.	Archer		
RUN B	ORE-HOLE	RECORD		(ASING R	ECORD			
No. Bit	From			From		Το			
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DYN OIL CONSERVATION DIVISION DISTRICT I 1 DATE November 20, 1979 OIL CONSERVATION DIVISION SANTA FE P. O. BOX 2088 SANTA FE, NEW MEXICO 87501 Proposed MC RE : Proposed DHC Proposed NSL Proposed NSP Proposed SWD Proposed WFX Proposed PMX Χ Gentlemen: I have examined the application for the: Phillips Petroleum Co. East Vacuum Gray., SA Unit Tr. 2717 #007-I 27-17-35 Lease and Well No. Unit, S - T - R Operator and my recommendations are as follows: 0.K.---J.S. Yours very truly,

/mc

OIL CONSERVATION DIVISION DISTRICT I

OIL CONSERVATION DIVISION P. O. BOX 2038 SANTA FE, NEW REXICO 87501 DATE November 9, 1979

RE:	Proposed	MC
	Proposed	DHC
	Proposed	
	Proposed	NSP
	Proposed	SWD
	Proposed	WFX
	Proposed	PMX X

Gentlemen:

I have examined the application for the:

Phillips Petroleum Co	. E. Vacı	um Gray.,	SA Unit	Tr. 2801	#7-N	28-17-35
Operator	Lease	e and Well	No.	Unit, S	– T – R	
and my recommendations	are as fol	lows:				
0.KJ.S.		·····				
· ·						- na militar na general agusta salam Ad
Yours very truly,						
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in filler /mc



OIL CONSERVATION DIVISION DISTRICT I

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

DATE	November 9, 1979
RE:	Proposed MC Proposed DHC Proposed NSL Proposed NSP Proposed SWD
	Proposed WFX Proposed PMXX

Gentlemen:

I have examined the application for the:

Phillips Pet. Co.E. Vacuum Gray., SA Unit Tr. 3456 #6-D34-17-35OperatorLease and Well No.Unit, S - T - R

and my recommendations are as follows:

0.K.---J.S.

Yours very truly,

/inc

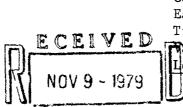


PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

NATURAL RESOURCES GROUP Exploration and Production

November 7, 1979



Conversion to Water Injection Service--East Vacuum Grayburg-San Andres Unit Tract No. 2801, Well No. 007 Tecuum Grayburg-San Andres Pool Lea County, New Mexico

OIL CONSERVATION DIVISION New Mexico Departments of Tempergy and Minerals (3) Oil Conservation Division P. O. Box 2088 Santa Fe, NM 87501

Attention: Mr. Joe D. Ramey Division Director

Gentlemen:

We respectfully request administrative approval, as provided by Order No. R5897, Rule No. 9 for the East Vacuum Unit pressure maintenance project, to convert the East Vacuum Grayburg-San Andres Unit, Tract 2801, Well No. 007 to water injection service. The following data is submitted in support of this request:

- Unit plat reflecting the proposed injection well and injection well project area. (Well: Unit M, 28, 17-S, 35-E)
- 2. BHC sonic log of the injection well.
- 3. Diagramatic sketch of the proposed well, injection tubing, packer, and pressure control elements identifying the San Andres perforated injection interval.
- 4. The name of the injection formation is San Andres with injection to be into the interval 4404 to 4368 feet. Injection will be by gravity with an anticipated maximum of 500 barrels of produced Grayburg-San Andres water per day.

Your consideration and early advice will be appreciated.

Very truly yours,

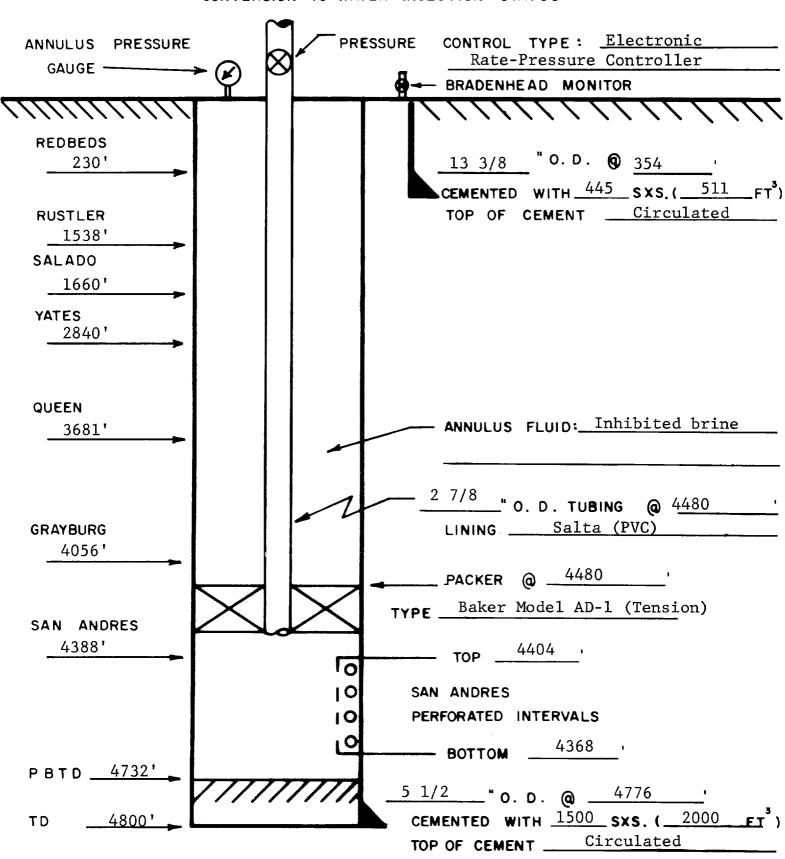
T. Harold McLemore Area Regulation and Proration Analyst

THM:rja Attachments cc: Oil Conservation Division Hobbs, New Mexico Attachments w/o BHC log

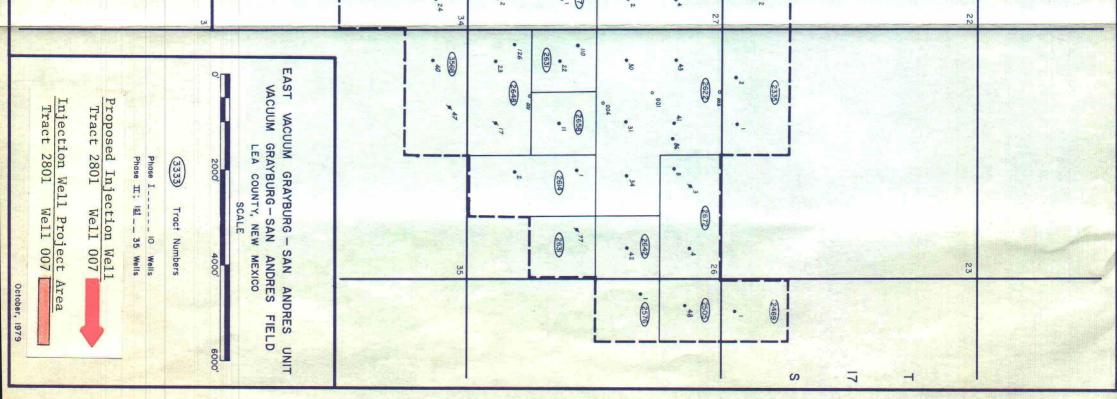
PHILLIPS PETROLEUM COMPANY

EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT N. M. O. C. D. R - 5897 VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEICO TRACT 2801 WELL 007

CONVERSION TO WATER INJECTION STATUS



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Gø	WIRELINE SERV		B. H. C.	SONIC
FILING NO.		PHILLIPS	PETROLEUN	M COMPANY

EVCSAU "TR" 2801 NO. 007 WELL FIELD_ EAST VACUUM LEA TEXAS COUNTY_ STATE_ LOCATION: Other Services 1450 FWL' & 138' FSL LL M11 API # 3002526384 WEL-LIST sec 28 TWP_17-3_RGE_35-E **Elevations:** GL Elev. 3942.5 3995 Permanent Datum_ KB 3954 12 5Ft. Above Permanent Datum KB DF_ Log Measured from___ KB 3942.5 Drilling Measured from. GL Date 9-16-79 Run No. ONE Depth-Driller 4800 Depth-Logger 4804 Bottom Logged Interval 4792 Top Logged Interval 1000 Casing—Driller 3 3/80355 @ @ @ Casing—Logger NOT LOGCED **Bit Size** 7.87 Type Fluid in Hole SALT MUD Density and Viscosity 10.2 35 pH and Fluid Loss 7.5 8 cc cc сс cc PIT Source of Sample Rm @ Meas. Temp. 052@ 86 •F @ °F @ ۰F @ ٩F Rmf @ Meas. Temp. 042**@ 86 •**F @ @ °F °E @ ٩P 083@ 86 •F Rmc @ Meas. Temp. @ °F @ °E @ °F Source of Rmf and Rmc M | • M 04 @ 111°F Rm @ BHT @ °F @ °F @ °E I 9 HOURS Time Since Circ. 111 Max. Rec. Temp. Deg. F. ۰F ۰F ۰F ۰F 7556 ODESSA Equip. No. and Location WHITE MR. DOLLENS **Recorded** By Witnessed By

C. SONIC LOG