STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

2798

APPLICATION

Operator Pan American Petroleum Corporation Address Box 480, Farmington, New Mexico

TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION NOT PRODUCTIVE OF OIL OR GAS

Lease <u>Navaj</u> o	P'C':	Well No. 1 C	County San Ju	an	
Unit D	Section	1 Township	29-N	Range_	17-W
	dication to disp	pose of salt water pr	oduced from th	ne following	pool (%):
		(s): Entrada, Chin	ile, Cutler		
Give operator	, lease, well n	300' and location of a	any other well	in this area	using this same
zone for dispo	sal purposes _	Pan American Petrole	um Corporation,	USG Section	19 Well No. 17,
790' FEL and 1	.850' FSL, Secti	ion 19, T-29-N, R-16-	W	······································	
		CASING PE	ROGRAM		
	Diameter	Setting Depth	Sacks Ce	ement	Top of Cement
Surface	1611	361'	500		Circulated
Intermediate	10-3/4"	2300 *	1300		Circulated
Long String	7-5/8"	5570 '	150		5000°
Liner Will injection	5" be through tub	5377-7026' ing, casing, or anno	260 ilus?		5377'
Size tubing	2-3/8° Set	ting depth: 6364	,	_Packer se	t at. <u>None</u>
Will injection		forations or open ho	casing str		8" and 10-3/4"
•		or what purpose?	Gas well		
0	•	ed in any zone other		sed injection	n zone? Yes
Mississippian	7008-7014 ¹ and	rvals and sacks of c 6981-95'. Bridge pl oducing from Pennsylv	ug set at 6 910 *	with one sa	ck cement on top
		higher zone which p			ne
Give depth of	top of next lowe	er zone which produ	ces oil or gas.	5947' (Pen	nsylvanian-Paradox)
water in Morr	ison from 897'	est fresh water zone to 1950 [‡] . er to be injected dai:		esh water in	area. Brackish
Will injection	be by gravity o	or pump pressure?_	Pump Esti	imated pres	sure: 800
ls system ope	n or close type	e? Close ls filti	ration or ch e mi	ical treatme	nt necessary? No

	and the control of th
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List all off	set operators to the lease on which this well is located and their mailing address
None	
	e and address of surface owner Navajo Tribe of Indians, c/o United States Geological Survey, P. 0. Box 959, Farmington, New Mexico. copies of this application been sent by registered mail or given to all offset operators, ace owners, and to the New Mexico State Engineer? Yes complete electrical log of this well attached? Yes Operator: Pan American Petroleum Corporation By: John Carporation By: District Superintendent STATE OF New Mexico Ss. County of San Juan Service And Supersonally appeared known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein and that said report is true and correct. SUBSCRIBED AND SWORN TO before me this the San Juan February 27, 1965 My Commission Expires

Survey Have copies	, P. O. Box 959, Farmington, New Mexico. s of this application been sent by registered mail or given to all offset operators,
Is a comple	ete electrical log of this well attached?
	Operator: Pan American Petroleum Corporation
	By:
	Title: District Superintendent
	STATE OF New Mexico)
	County of San Juan)
	on oath states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein and that said report is true
	- Kit
	Notary Public in and for the Gounty of San Juan
	February 27 1965
NOTE:	Should waivers from all offset operators, the surface owner, and the State

Should waivers from all offset operators, the surface owner, and the State Engineer not accompany an application, the New Mexico Oil Conservation Commission will hold the application for a period of fifteen (15) days from date of receipt by the Commission's Santa Fe office. If at the end of said fifteen-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

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مسمده				DEPARTMENT	1700	1062 3	
			WATER	ANALYSIS	JAN 1	7 (30 28)	
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ucing Stratus	m Porsocx			PBT	,D	Total Depth_	6899-PFD
uri Yielding	SamplePoint	<u>Frations</u>			1211	<u></u>	
Street of Mr.	. 11						···
le Collected	From Separ	nter		Meth	nod Used Dir	ect form Dis	
ted by	• · •natmar	<u>'e</u>		Date Collected 1-	-3-62	Date Received	1-5-62
sinittal Letter	by <u>L. (. 3</u>	ppeer, ur.		Date Collected 1- Date	. 1-4-02	File N-100	·0-535•1±
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Radicle	Per Cent by Analysis	(a) P. P. M.	(b)	(a) X (b)	Per Cent Reacting Value	Calculated Compound	P. P. M.
Na	25.30	21.361	.0435	935.60	35.53	Na:SO.	i
Ca	7.80	5 , ალე ,	.0499	293.41	11.14	NaCl	53,721
Mg	1.55	1,170	.0822	57.95	3.33	Na ₂ CO ₃	<u> </u>
Pe				<u> </u>		NaHCO:	733
·			***************************************			CaSO.	550
SO.	•52	395	0200	€.22	27	CaCla	15.825-
CI	61.12	46,100	.0208	1300.02	49.36	CaCO ₃ Ca(HCO ₃) ₂	
CO,		0	.0333	100.02	49.00	MgSO ₄	ļ
HCO.	.71	532	.0164	6.72	•33	MgCl,	4,582 /
H ₁ S						MgCO,	
				 		Mg(HCO _i) ₂	
		ohms/MM.3969		F. H Value	6.2 Spe	cific Gravity 60°/6	10,040 P.P.M 50°F.1.057
AADV CAIT	NITY, SO. + C	PROPERT		ACTION IN PE		_	71-06
		+ Cl is greater than N					
T	îhen 804 + Cl =	with e	qual value of Ca	a + Mg	······	==	20.18 g
		Na (K) over SO4 + C					
NITARY A	I KAI INITY. Pro	ess Ca + Ma over SO.	+ CI =	with agual value of	COL		•66
ORIDE SAI	LINITY: $Cl \div (S)$	$(SO_i + CI) = \dots $	X 100%	<u> </u>			
HATE SAI	LINITY: SO, +	(SO ₄ + Cl =	X 100%	=			
E: Multiply	Parts per Million	by .0583 to obtain Gr	ains per Gallon.			1	
ARKS:		ity: ohms/M ² M				!	FARMINGTON
							DISTRICT
J. L. Ho	oyt, Jr.						DE DE
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DOCKET: EXAMINER HEARING - WEDNESDAY - APRIL 24, 1963

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, as alternate examiner:

CASE 2792:

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Everett D. Burgett and all other interested parties to appear and show cause why the Meyers Union Well No. 1, located in Unit I of Section 11, Township 23 South, Range 27 East, and the Richardson-Bass State Well No. 1, located in Unit H of Section 5, Township 25 South, Range 28 East, both in Eddy County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.

CASE 2793:

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Everett D. Burgett and all other interested parties to appear and show cause why the Pure State Wells Nos. 1, 2, 3, and 7, located in Units J and O of Section 15, and the Magnolia State Well No. 1, located in Onit E of Section 14, all in Township 21 South, Range 27 East, Eddy County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.

CASE 2794:

Application of Ambassador Oil Corporation for a unit agreement, Eddy County, New Mexico. Applicant, in the abovestyled cause, seeks approval of the Grayburg-Jackson Unit Area comprising 1600 acres of Federal and State lands in Township 17 South, Range 30 East, Eddy County, New Mexico.

CASE 2795:

Application of Marathon Oil Company for a multiple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing the triple completion (conventional) of its State McCallister Well No. 5, located in Unit M of Section 25, Township 17 South, Range 34 East, Lea County, New Mexico, to produce oil from the North Vacuum Abo, the Vacuum-Wolfcamp, and the Vacuum-Devonian Pools through parallel strings of tubing.

CASE 2796:

Application of Texaco Inc. for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill its L. R. Manning Federal "B" Well No. 4 at an unorthodox location 330 feet from the South line and 1491 feet from the East line of Section 28, Township 18 South, Range 30 East, North Benson Queen-Grayburg Pool, Eddy County, New Mexico.

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CASE 2797:

Application of Texaco Inc. for a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 360-acre non-standard gas proration unit comprising the SW/4, N/2 SE/4, and SE/4 SE/4 of Section 31, and the S/2 SW/4 of Section 32, Township 23 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, to be dedicated to its E. E. Rlinebry "A" Well No. 2, located in Unit I of said Section 31.

CASE 2798:

Application of Pan American Petroleum Corporation for a salt water disposal dual completion, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete its Navajo "C" Well No. 1, located in Unit D of Section 1, Township 29 North, Range 17 West, San Juan County, New Mexico, to produce hydrocarbons from the Pennsylvanian-Paradox formation and to dispose of produced salt water through the intermediate casing annulus into the open hole interval from 2300 feet to approximately 5000 feet.

CASE 2784:

(Continued from April 10, 1963 Examiner Hearing)
Application of Continental Oil Company for authority to conduct interference tests, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to shut-in all wells in the Oil Center-Blinebry Pool, Lea County, New Mexico, for approximately 7 days to achieve stabilization, to leave one well shut-in for a period not to exceed 90 days to observe pressure behavior, and to transfer the allowables and make-up underproduction from the shut-in wells.

CASE 2799:

Application of Phillips Petroleum Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Grayburg-San Andres formations, Maljamar Pool, Lea County, New Mexico, through one well in Unit J. Section 2, Township 17 South, Range 32 East.

353 2800:

Application of Olen F. Featherstone for a special allowable, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing the assignment of a special allowable to his Valentine Well No. 1, located in Unit M of Section 27, Township 16 South, Range 31 East, Eddy County, New Mexico. Said well offsets and has received a response from Newmont's East Square Lake Waterflood Project.