CERTIFIED PROFESSIONAL GEOLOGIST A.I.P.G. NO. 1204

LAND SURVEYOR --- STATE OF NEW MEXICO CERTIFICATE NO. 963 VILAS P. SHELDON

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AY AY ABERDEEN ANGUS CATTLE HERD AND FARMS OTOE, NEBRASKA

RESIDENTIAL RENTALS ---- ARTESIA

Oil Conservation Commission Sant Fe, New Mexico

Gentlemen,

Attached is form C-108 together with stipulated exhibits requesting approval, by administrative action, for the conversion of a shut-in oil well into a salt water disposal well.

We have attempted to comply with rule 701 sub sections B and C, are the required data and exhibits are enclosed. Copies of the application are this day being mailed to the surface owner and to all offset operators within one half mile of the well.

In addition we would like to make a statement concerning the Teague Grayburg pool. Realer and Sheldon completed two wells in the Grayburg formation. These wells were never offset. Something less than 20,000 barrels of oil was recovered from the Grayburg- the actual figure being a bit doubtful as some oil probably came from the Queen. The well in application has been shut in for several years. Tt produces water from the Grayburg and practically no gas from the Queen. The other Teague Grayburg completion (May B #1) produces a slight amount of oil and gas from the Queen (Langlie Mattix) but is not capable of producing any oil or gas from the Grayburg.

Conversion of the subject well into a Salt Water Disposal well will not affect the Grayburg yield. This well is over two miles from any well producing or capable of producing oil or gas from the Grayburg formation.

Yours very truly,

Resler and Sheldon

CERTIFIED PROFESSIONAL GEOLOGIST A.I.P.G. NO. 1204

LAND SURVEYOR ---- STATE OF NEW MEXICO CERTIFICATE NO. 962

1.00 ∞ VILAS P. SHELDON 801 WEST TEXAS ARTESIA, NEW, MEXICO 2 11. \sim NV

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HOUS OFF CF. O. C. C. ABERDEEN ANGUS CATTLE

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and Sheldon

 Form C-108 Revised 1-1-65

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APPLICATION TO DISPOSE OF SALT WATER BY INJECTION ANTO A POROUS FORMATION

OPERATOR Res	ler and She	Ldon		ADDRESS 31	4 Carper Bldg	. Artesia	a, N.M. 88210		
Stee	ler		WELL NO. 1	Teag	e Grayburg		COUNTYLEA		
LOCATION	NIT LETTER	; WE	LL IS LOCATED 198	30 FEET 1	FROM THE SOUTH	LINE AND	660 FEET FROM THE		
east .	INE, SECTION 20	T OW		RANGE DI	р Т.А				
NAME OF S	TRING	SIZE	SETTING DEPTH	SACKS CEM	ENT TOP OF C	EMENT	TOP DETERMINED BY		
SURFACE CASING		8 5/8	261	200	Surfa	ce	Observation		
INTERMEDIATE LONG STRING		5 1/2	3690	400	2400		CAlculated		
TUBING			3Ene "	AME, MODEL AND	DEPTH OF TUBING PACKEF	at 357()		
NAME OF PROPOSED I	JE NJECTION FORMATION			TOP OF FOR 3607	MATION	BOTTOM	OF FORMATION		
IS INJECTION THROUG	H TUBING, CASING, OR	ANNULUS?	Perforations (OR OPEN HOLE!	3681-89	F INJECTION			
IS THIS A NEW WELL DISPOSAL?	DRILLED FOR	IF ANSWER IS OIL 8	NO, FOR WHAT PURPOSE	FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?			HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJEC- TION ZONE? YES		
LIST ALL SUCH PERFO	3456-62,3470	-77,3485	MENT USED TO SEAL OF	F OR <u>SQUEEZE EA</u> 526-28,353 NEXT HIGHER	сн	DF TOP OF NEXT	LOWER		
1068 (Top Anhydri	re)	3562	Queen	54	IO	Blinebry		
ANTICIPATED DAILY		I махтийм I I 500 bb *		TYPE SYSTEM	IS INJECTION TO BE B PRESSURE? Gravity init	Y GRAVITY OR	APPROX. PRESSURE (PSI)		
ANSWER YES OR NO W ERALIZED TO SUCH A STOCK, IRRIGATION, C	HETHER THE FOLLOW DEGREE AS TO BE UNIT IN OTHER GENERAL US	NG WATERS ARE	MIN- NC,	WATER TO BE DISPOSED OF		SPO- ARE WAT	TER ANALYSES ATTACHED?		
NAME AND ADDRESS O	F SURFACE OWNER (O	R LESSEE, IF S	TATE OF FEDERAL LAND	, 8 231					
Skelly 0	11. Company	P.O. BO:	x 730 Hobb	B NoMo 8	8240				
Gulf 011	Corp.	P.O. Bo	x 980 Kerm	it, Texas	79745				
Tom Brow Solar 01	n Drilling (1 Co. P.O. Resmisser	b. P.0 Box 559 303 P	Box 5706 Midland etroleum Life	Midland 1 , Texas Bldg.	Midland. Texas	3			
	Ngowad Oct	<u> </u>							
HAVE COPIES OF THIS	APPLICATION REFN	SURFACE OWN	FR		TOR WITHIN ONE-UALE M		METTO STATE FUCINEED		
SENT TO EACH OF THE	FOLLOWING?	Y	ев	I OF THIS WE			No		
ARE THE FOLLOWING ITEMS ATTACHED TO I PLAT OF AREA THIS APPLICATION (SEE RULE 701-B)					LOG 8		DIAGRAMMATIC SKETCH OF WELL		
	thereby certify	that the info	ormation above is tr	ue and complet	e to the best of my k	nowledge an	d belief.		
<i>ć</i>	(Signature)	Yer	0	wher (Title)		<u>>'</u>	(Date)		

NOTE: Should waivers from the State Engineer, the surface owher, and all operators within one-half mile of the proposed injection well. not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701. $\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i$

ing on a prime sub-state

Diagrammatic Sketch of Resler and Sheldon Proposed Salt Water Disposal Well Steeler #1 Section 20 T.23S R.37E. Lea County.

3% casing 261 Circulated with 200 Sacks Cement Top Cement Calc. at 2400 2 EUE Tubing 5 -5 1/2 Casing Perforations 3439 -3562 - Baker Model A Tension Linker at 3670 T.D. 3690 Perforations 3681-89

(Samedon oper H.B.P.	Ceo. W. Sime,	N.Morris 5 7 19 73 5010 01 9 5 5 10 1 5horp, etal	roh B. Hughest medan, oper. H. B. P. 0324528 U.S. M I e yn Lineber.	Continue ete 0301	13. U.S.	Evelyn Lin Aztec 0 E 6 Sa Ugien R 8108 E 8108 Culf H.B.P.	E-1451 1 	Src 00 8.2 40 40	JC.Moxwell 2 8-18-72 k 2730	33 26 24	B-1484 Contin B-1484 Contin K-2	V. M. Merrelt 9 · 15 · 65 20 26	State State		GUIF N BP R.N.Erec F.D.Cond
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AL ALIGNES 22 Hughes SKE	A 31 334 355 356	Stelly al selection as SKEL as SKEL	Tr.13 9 Semedan 557 55 42 65 439 755 55 439 755 55 439 755 55 10 10 10 10 10 10 10 10 10 10 10 10 10 1	B.F. Horrison M	Resteration 1 1 1 1 2 3	W 250 Strate Services	Model <th< td=""><td>And Antipy Park S. This Deal The Manuary And S. This and Antipark Antipar Antipark Antipark Antipark</td><td>Billing wirs (5)</td><td>Contil - 0574 20 Stewart Gut U.S. N</td><td>Solar oul 14 Neiter</td><td>* 'conning W.K.Byrom - 33</td><td>WK all Batemon Jahnson I Trenc Burom en 1991 - 1995 - 198</td><td></td><td>A 4 1 Pan Amet. 1 Pan Amet.</td></th<>	And Antipy Park S. This Deal The Manuary And S. This and Antipark Antipar Antipark Antipark	Billing wirs (5)	Contil - 0574 20 Stewart Gut U.S. N	Solar oul 14 Neiter	* 'conning W.K.Byrom - 33	WK all Batemon Jahnson I Trenc Burom en 1991 - 1995 - 198		A 4 1 Pan Amet. 1 Pan Amet.
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Data prepared by:	T. G. Kelliher, Jr.	Field Name:	Teague	Grayb	urg
Affiliation:	Gulf Oil Corporation	Location:	T.235.,	R. 37	E.
Date:	Aug. 25, 1960	County & Sta	te: Lea C	Co., N.	Mex.

DISCOVERY WELL:Resler & Sheldon #1 Steeler "B" COMPLETION DATE: May 16, 1957 Grayburg: Fine crystalline to dense brown dolomite with the PAY ZONE: productive zones highly oolitic.

TYPICAL CORE ANALYSIS OF A PAY INTERVAL IN THIS FIELD: None Available

Perm. in	millidarcys	% Porosity	Liquid Satu	ration (% of pore space)
Horizontal	Vertical		Water	Oil

OTHER SHOWS ENCOUNTERED IN THIS FIELD: Langlie-Mattix Gas and Oil; Teague Devonian; Teague McKee; Teague Ellenburger.

TRAP TYPE: Anticlinal Structure NATURE OF OIL: Gravity 38°-39° API

NATURE OF GAS: Sour

NATURE	OF PRODUCING Z	ONE WATER:	<u> </u>	ot Avail	able	Resistivity:		ohm-meters @			° F.
	Toral Solids	Na+K	Ca	Mg	Fe	SO4	CI	CO ₂	HCO₃	ОН	H₂S
ppm											

INITIAL FIELD PRESSURE: Not Available

TYPE OF DRIVE: Solution Gas Drive

NORMAL COMPLETION PRACTICES: From casing perforations after acid and sand fracture treatment.

		No. of wells	s @ yr. end	Production				
Year	Tupa	Producing	Shut in	Gas in	MMCF			
	iype	or Abnd.		Annual	Cumulative			
	oil							
1956	gas							
	oil	2		8,754	8.754			
1957	gas			17.114	17.114			
	cil	2		5,007	10,638			
1958	gas			26,182	43.296			
	ił	2		4,453	15,091			
1959	gas			164.267	207.563			
	lio	2		846	15,937			
1060~	gas	. <u></u>	;	52.943	260.506			

* 1960 Figure is production to July 1, 1960.