POST OFFICE BOX 2008 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO B/501

FURM C-108 Revised 7-1-81

1.	Purpose: Secondary Recovery Pressure Maintenance XX Disposal Storage Application qualifies for administrative approval? Tyes Tho
II.	
	tott operating company, inc.
	The Old Annual Control of the Contro
	Contact party: Thom O'Brien/Jan Foust Phone: (915)682-6373
III.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? yes xxno If yes, give the Division order number authorizing the project
٧.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
* VI.	Attach a tabulation of data on all wells of public record within the area of review whic penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas
	at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
χ.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	Name: Thom O'Brien Title Vice-President Signature: Date: January 22, 1986

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.



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Form 3160 -1 (November 1980)		–		TT IN	DUPLIC.		Bureau No. 1004-0137 August 31, 1985	
(formerly 9-330)	Form C-	108		7	(See or	in-	GNATION AND SERIAL NO.	
-	III. We	ell Data		`	reverse	side)		
	A. (2					6 IN INDIAN	42153 ALLOTTEE OR TRIBE NAME	
WELL COM	APLETION	OR RECON	APLETION F	REPORT AN	D LOG	*		
12. TYPE OF WELL		L X WELL	DRY .	Other		7. UNIT AGREE	MENT NAME	
b. TYPE OF COMP	LETION:	r. — rire —	DIFF.			S. FARM OR L	EASE NAME	
WELL X	OVER L EN	влек _	RESVR.	Other		Federa		
2. NAME OF OPERATO		D	TDC			9. WELL NO.		
3. ADDRESS OF OPER		Reserves G	roup, me.			1		
	D 0 B	ox 2437, Mi	dland, Texa	as 79702		1	POOL, OR WILDCAT	
4. LOCATION OF WEL	L (Report locati	on clearly and in a	ccordance with an	ty State requiremen	E8) -	11. SEC., T., R	neyhill Fusselman	
At surface 1981						OR AREA	n c c p 34-F	
At top prod. inte	rval reported be	·low	-			Sec S	9, T-6-S, R-34-E	
At total depth			14. PERMIT NO	DATE	ISSUED	12. COUNTY O	OR 13. STATE	
				1	L2/84	ROOSevelt	N. M.	
15. DATE SPUDDED	16. DATE T.D. 1	REACHED 17. DAT	E COMPL. (Ready		VATIONS (DF.	RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD	
	1/14/84	5/1	14/84	436	57.6 GL	VALS ROTARY TOOL	GI CABLE TOOLS	
3/26/84 20. TOTAL DEPTH. MD		JG. BACK T.D., MD &	TVD 22. IF MU HOW	LTIPLE COMPL.	23. INTER	ED BY		
8120 MD	78	396 MD	No.	MD AND TYP)*		<u>► 1 0-8120</u>	25. WAS DIRECTIONAL	
8120 MD 24. PRODUCING INTER	VAL(S). OF THIS	COMPLETION-TOP	, BOTTOM, NAME ((AD AND IVE)			SURVEY MADE	
	_						No	
7884-96 Fus	selman	RUN					27. WAS WELL CORED	
Comp. Neut	ron - Lith	no Density	Dual Late	rolog Micro	-SFC		No	
28.		CAS	ING RECORD (Re	port all strings set	in well)	INTING RECORD	AMOUNT PULLED	
CASING SIZE	WEIGHT, LB.				1000		None	
8 5/8	24	1967 7# 8120	1	7/8	350		None	
5 1/2	15.5 & 1	01 @ 4507'			450			
	- W/DV 654							
29.	<u></u>	LINER RECORD)		30.	TUBING REC	- 4-4-3	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT®	SCREEN (MD)	SIZE	DEPTH SET (M	NA	
none				_	2 3/8			
31. PERFORATION RE	ann (Internal	erre and number)	<u>'</u>	1 32. A	CID. SHOT.	FRACTURE. CEMEN	T SQUEEZE, ETC.	
		,		DEPTH INTERV		AMOUNT AND KIR	ND OF MATERIAL USED	
8012-22 w/1 7886-7902 v				8012-22		1000 gal NeF	'e CIBP @ 7980	
7884-90 w/1 JSPF				7886-7902		2000 gal 15%	00 gal 15% NeFe sq w/100 sx 00 gal 15% retarded	
7890-96 w/				7884-90		500 gal 15%		
				7884-96		1/30 gar 134	, recurred	
33.*	1 790	DUCTION METHOD		ODUCTION pumping—eize and	type of pun	ip) WELL	STATUS (Producing or ut-in)	
DATE FIRST PRODUC	i i					1	rod.	
5/14/84 DATE OF TEST	HOURS TESTE	mping 1 1/4	PROD'N. FOR		GAS-MC	F. WATER-BB	IL. GAS-OIL BATIO	
-	24	NA	TEST PERIOD	28	54	72	1929-SCF/bbl	
6/28/84 rlow. Tubing press.				GAS-MCI	r. 	WATER-HBL.		
NA	80#	 	28	54	<u> </u>	72	50.4 ESSED BT	
34. DISPOSITION OF	GAB (Sold, used)	for fuel, vented, etc	·-)					
sold 35. List of Attac	ETKIME							
		report				1 4	records	
36. I hereby certif	y that the foreg	oing and attached	information is co			ed from all available		
/X	1_1/1-		TITLE	Production	n Engine	er III DAT	TE 7/3/84	
SIGNED _//	18 1		-					

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	b.
Penn Detrieta	7	7875	Gas to surface in 30 min. @ 40# psi. 1/2	NAME	MEAS, DEPTH	TRUE VERT, DEPTII
			preflow. 1 hr initial shut in. 2 hr test			
			final SI. Good blow/of gas throughout	Yates	2103	
				San Andres	3163	
				PI Marker	3678	
			<u>ـــ</u>	Glorieta	4400	
				Yeso	4498	
			•	Tubb	5812	
			amber contained 400 cc oil & 500	Base Salt	6256	
		-	w/no	ABO Shale	6561	
			er. Charts indicate that tool was	ABO Dolo	7203	
			-Ya Y	Wolfcamp	75.30	
		·	both Initial and	3 Bros.	6767	
			riant shut in pressures. Following BHP's Ci	Cisco Detrital	7810	
				reill Decricar	7865	
			.e', illitai silat ili 338.8-3083.9	. russerman	2007	
			11nal 110w 950.1-804.3. Final 51 804.3- L.	L. Fusseiman Montova (2)	7662 8031	
			•	Pre Cambrian	8056	
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Form C-108 - Attachment

- VII. 1. Average fluids 450

 Maximum fluids 600 rate and volume
 - 2. Closed system
 - 3. Average injection pressure: 500 Maximum injection pressure: 2200
 - 4. Reinjected produced water
 - 5. NA
- VIII. Injection zone Fusselman 7884-8022' Overlying aquifer is Ogallala No underlying
- IX. None
- X. On file
- XI. None wells drilled non-productive
- XII. Available geologic and engineering data has been examined and no evidence of open faults or hydrologic connection between the disposal zone and the aquifer was discovered.

III. Well Data

- A. (1) Federal 9, No. 1, Sec. 9, T-6-S, R-34-E, 660' FWL, 1980' FNL
 - (2) See attachment
 - (3) See attachment
 - (4) See attachment
- B. (1) Fusselman, Peterson, South
 - (2) 7884-8022, perforated
 - (3) Oil and Gas
 - (4) Attached
 - (5) Higher Cisco 7650' Lower - None

Form C-108 - Attachment

ENERGY RESERVES GROUP

El Paso - State #4

467' FEL and 1980' FNL, Section 8, T-6-, R-34-E Roosevelt County, New Mexico

Fusselman not present

OGR OPERATING COMPANY, INC.

AMA CONTRACTOR OF THE PARTY OF

Federal 9 = 1 1980 ful 1 660 ful ear9 tup 65 squ 34 E Procedelt Co. N.M. Tuesarq 1000 898 24 to 1965 2000 with 830 ey PCL 4200CLC : sive 17004 **३०००** 4000 DUITORO 4503 with 1004 PCL 4 350A CLC 5000 6000 per 7845-52 1862-65 7000 dell'attuo 1896 2 1/8 ring 4 perb 1886-7902+50 plug back to 1980 perb 8012-22 ٥٥٥١ صيلم

Jo 8120

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1936-66

OGR OPERATING COMPANY, INC.

5/2 1554 17 = 38120

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ROOSEVELT STATE 9 #1 WELL 990' FWL & 1980' FSL Section 9, T-6-S, R-34-E Lea County, New Mexico Ground Level Elevation: 4361'

- 11-26-83 Spudded well. Drilled 124 hole to 1995.
- Ran 8 5/8 24# csg to 1961. 1130-83
- 11-30-83 Cement 8 5/8 csg with 730 sc PSL & 200 cx CLC. Circulate to surface. Drill 7 7/8 hole to 8150.
- 12-20-83 Ran $5\frac{1}{2}$ 17# csg to 8085.
- 12-21-83 Cemented $5\frac{1}{2}$ csg around shoe with 250 sx H 50-50 PO, then 575 sx H 50-50 PO, thru DU tool @ 4780.
- 12-30-83 Perf 5½ csg in Granite Wash 8017-21. Tested dry.
- 1-03-84 Set CIBP 8000 & dump 35' cement. 1-04-84 Perf 5½ csg in Fusselman 7886-7900 10 holes.
- 1-05-84 Completed as flowing oil well.

TOPS Cisco 7658 Fusselman 7816 Granite 7994

Roomenett State 9 = 2 660 feel + 990 feel eee 9 tup 65 son 34E Rooment CONN.

504 CLH@ 1050

2 8 98 @ 1960 with 1304 PCL+2004 CLC sinc, rept 2000x CL H@ 2045

apot 300 ex CL H@ 2229

top of final 2429

DU@ 4397 with 2254 50-50 PoZ

Level ?772-76

Level 1841-90

Level 1841-49

Level 1868-89 eg ret@ 7860

Level 1868-89 eg ret@ 1905

Level 1912-18 eg ret@ 1905

S/2 17#@ 8020 with 350x 50.50 PoZ

2/8 the alcumed@ flitch

OGR OPERATING COMPANY, INC.

ARCEIVED 1986

ROOSEVELT STATE 9 #2
990' FWL & 660' FSL
Sec. 9, T-6-S, R-34-E
Lea County, NM
Ground Level Elevation: 4354

2-03-84	Spudded well
2-04-84	Drill 12½ hole to 1965'
2-05-84	Ran 8 5/8 24# csg to 1960. Cement 8 5/8 with 730 sx PSL & 200 sx CLC. Circulate to surface. Drill 7 7/8 to 8020.
2-26-84	Ran 5½ 17# csg. to 8020.
2-26-84	Cement $5\frac{1}{2}$ csg. around shoe with 350 sx H 50-50 PC ₂ & 225 sx 50-50 PC ₃ H thru DU tool @ 4397.
3-06-84	Perf 5½ Ésg in Fusselman 7912-18. 7 holes. Tested water.
3-08-84	Set cement retainer sg. 7912-18 with 75 sx.
3-09-84	Perf Fusselman 7868-7889. (7) holes. Tested water.
3-11-84	Set retainer 7860 & sq. perfs 7868-89 with 75 sx.
3-12-84	Perf 7841-49. (6) holes.
3-16-84	Acidize perfs 7841-49 2000 gal HCl. Test dry.
3-18-84	Set plug 7830 & dump 35'cement.
3-21-84	Perf 5½ csg in Cisco 7772-76 (5) holes.
3-25-84	Acidize Cisco perf 7772-76 1500 gal HCl.
3-30-84	Drill out cement & plug @ 7830.
4-01-84	Fish for parted tbg 2172
6-22-84	Cut 5½ csg & POH @ 2150 & spot 300 sx 2229.
6-23-84	Spot 200 sx CLH 2045 toc 1888
	Spot 50 sx @ 1050

TOPS 7662 Cisco 7832 Fusselman 7956 Granite