June 1, 1984

SWD-275 RELEASE JULY 9, 1984

State of New Mexico. Energy and Minerals Department, Oil Conservation Division I.O. Boy 2088 State Land Office Building Santa Fe, New Mexico 87501



Re: Application of Double "C" Enterprises for Salt Water Disposal Well. Gentlemen:

It is respectfully requested that the Oil Conservation Division of the Energy and Minerals Department grant their administrative approval to the application of Double "C" Enterprises, for a salt water disposal well in Lea County, New Mexico.

The petitioner for administrative approval (Double "C" Enterprises) is hereby submitting Form C-108 along with all exhibits and requirements in accordance with the rules and regulations of the Commission.

The petitioner (Double "C" Enterprises) would like to state the following:

1. Frincipal address of Double "C" Enterprises is F.O. Box 147, Lovington, N.M. 88260. Phone number is area code (505) 396-3331. Principal contact is Mr. Roland Caudill.

2. The well to be used for salt water disposal is the Double "C"

Enterprises, Aztec State No. 1. Well is located in in Unit J, 1980' FSL, 1980' FEL, Section 18-T16S-R37E, in Lea County, New Mexico.

That the manner and method of preparing the well for salt 3.

water disposal is mechanically feasible.

That Double "C" Enterprises will comply with all rules and regulations as set out by the Oil Conservation Division of the Energy and Minerals Department, State of New Mexico, as relates to salt water disposal.

5. That this application has been sent by registered return receipt requested, mailing to all leasehold operators and the surface owners of the land within a one-half mile radius of the well location.

Respectfully submitted this 10 th day of June, 1984.

Roland E. Caudill

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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wo. of Corics Received	İ	
DISTRIBUTION		
BANTA FE		
FILE		
U.S.O.S.		
LAND OFFICE		
OPERATOR		

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION P. O. BOX 2088

Form C-103 ·

BANTA FE	SANTA FE, NEW	MEXICO 87501	Revised 10-1-78
FILE			5a. Indicate Type of Lease
U.S.O.S.			State X Fee
LAND OFFICE			5. State Oil & Gas Lease No.
OFERATOR	J		0G-4765
SUMP	N NOTICES AND DEDORTS ON I	WELLS	mmmmm
DO NOT USE THIS FORM FOR PACE	RY NOTICES AND REPORTS ON VOCASALS TO DRILL ON TO DEEPEN OR PLUG BA	WELLS CK TO A DIFFERENT RESERVOIR.	
1.	ION FOR PERMIT (FORM C-101) FOR SUCH	PROPOSALS.)	7. Unit Agreement Name
OIL GAS WELL WELL	OTHER. Salt Water Dis	posal	
2. Name of Operator	OTHER!		8. Farm or Lease Name
Double "C" Enterp	rises		Aztec State
3. Address of Operator			9. Well No.
P. O. Box 147,	Lovington, NM 88260		1
4. Location of Well			10. Field and Pool, or Wildcat
J	1980 FEET FROM THE Sout	h 1980	undesignated-Wolfcan
UNIT LETTER	FEET FROM THE	LINE AND FEET FROM	THE THE PARTY OF T
East	18 TOWNSHIP 16S	RANGE 37E NMPM.	
THE LINE, SECTION	TOWNSHIP	RANGENMPM.	
	15. Elevation (Show whether D	F, RT, GR, etc.)	12. County
	3837GL(EST)		Lea
16. Check	Appropriate Box To Indicate Na	sture of Notice Report of Otl	net Doto
	ATENTION TO:	-	REPORT OF:
NOTICE OF IN	TENTION TO:	SUBSEQUENT	REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
Ħ	PEGG AND ABANDON	COMMENCE DRILLING OPNS.	
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	PLUG AND ABANDONMENT
_	<u>-</u> 1	OTHER	
Convert to SWI) [X	VINER	
17. Describe Proposed or Completed Op work) SEE RULE 1103.	erations (Clearly state all pertinent detail	ls, and give pertinent dates, including	estimated date of starting any proposed
BOTA) SEE NOCE 1103.			
Id a man		-1+ 30 4504:+	1
	pose to set a baker pa	acker at 10,450° wit	n tubing set
at 10,500°.	•		
ial o man	omen de coidine dhe .		1 rd : -
we bro	opose to acidize the v	well with 1,000 gal.	15% acid.
1010		fluid on a recomm	h a
	pect the well to take		
it doesn't,	, we propose to set ar	i injection pump to	pressurize the well.
The na	roposed average and ma	avinum daily rata of	injection is
1500 BM/D	and 3,000 BW/D respec	stively This system	m is to be an onen
system with	and J,000 bm/b respect	and maximum injection	n pressures of
500 FST and	l 1,000 PSI respectivel	ly Nost all of the	injected salt
water will	be from the Wolfcamp	and Atoka zones and	should present no
formation r	problems. This project	at is to be started	immediately upon
	com the Oil Conservati		immodiate vely deposit
0.P.P 1. 0.2 - 2.2			
18. I hereby certify that the information	shove is true and complete to the best of	my knowledge and belief.	· · · · · · · · · · · · · · · · · · ·
•	·		
Aland E. Car	1:10	too	DATE 5-31-84
DIGHED MEAN CI MA	TITLE Ta	rines	DATE
APPROYED BY	TITLE		DATE

Teeting Method (pitot, back pr.)	Tubing Pres	····			sure (Shut-		Choke Size			
Actual Prod. Test-MCF/D	Length of Te	sat		Bble. Conde	negte/MMCF	•	Gravity of C	ondensate		
GAS WELL										
Actual Prod. During Test	Oil-Bbis.	**************************************		Water - Bble			Gas-MCF			
Length of Test	Tubing Pres	aure		Casing Pres	.sure		Choke Size			
Date First New Oil Run To Tanks	Date of Tee			Producing k	f#thod (Flow	, pump, gas li	ift, etc.)			
V. TEST DATA AND REQUEST OIL WELL		6	Cest must be a able for this de	pth of be for	full 24 hours,	/		ual to or exce	ed top allow-	
2 5/8	<u> </u>			لـــــــــــــــــــــــــــــــــــــ	0,500		pa	cker		
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13-3/8	48				371		34			
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			CASING, ANI							
Perforations 10,786-94° (9 ho	les .38	3") 1	.0.738-4	6• (9на	oles .a	18") :	Depth Casir	g Shoe		
3837GL(EST)	Wolfcamp						10,50	0		
Elevations (DF, RKB, RT, GR, etc.)	Name of Pro	ducing Form	ation	Top Oll/Go	s Pay		Tubing Dep			
11-18-67	1-	-30-68		11.	536		11.02	11.025		
Data Spudded	Date Compl	. Ready to P	rod.	Total Depti	,	 	P.B.T.D.			
Designate Type of Completic	on $-(X)$, 011 4611	1 Aga werr	1	, workeyer	l Deeben	X	i same ries.v.	Diff. Restv.	
		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	T	15.46 5	

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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SANTA FE			
FILE			
U.S.G.S.			· ·
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	GAS		
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OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 06-01-83 Page 1

Separate Forms C-104 must be filed for each pool in multiply completed wells.

REQUEST FOR ALLOWABLE

AUTHORIZATION TO TRANSPO	
Operator Double "C" Enterprises	
Address	
P. 0. Box 147, Lovington, NW 88	8260
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well Change in Transporter of:	Gas Conversion to salt water disposal
Recompletion Oil Dry	
A Change in Ownership Casinghead Gas Conc	densate
If change of ownership give name Pennzoil Company P. and address of previous owner Pennzoil Company P.	0. Drawer 1828 Midland, Tx. 79702-1828
II. DESCRIPTION OF WELL AND LEASE	
Lease Name Well No. Pool Name, Including Form	
Aztec State 1 undesignated-	-Wolfcamp State, Federal or Fee State 0G-4765
Location T 3000 Counts	1000
Unit Letter J : 1980 Feet From The South Line	and 1980 Feet From The <u>Fast</u>
Line of Section 18 Township 16S Range 37	7E , NMPM, Lea County
	h#
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL O	GAS
Name of Authorized Transporter of Oil or Condensate	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas or Dry Gas	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Cusinghed Gus Ut Diry Gus	Address force address to which approved copy of the a form to to be sent,
Unit Sec. Twp. Rge.	Is gas actually connected? When
If well produces oil or liquids, give location of tanks.	
If this production is commingled with that from any other lease or pool, gi	ive commingling order number:
NOTE: Complete Parts IV and V on reverse side if necessary.	
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
	•
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of	APPROVED, 19
my knowledge and belief.	BY
	TITLE
P. L. 05 C. 100	This form is to be filed in compliance with RULE 1104.
(Signature)	If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with HULE 111.
Partner	All sections of this form must be filled out completely for allow-
5-15-84	able on new and recompleted wells.
(Date)	Fill out only Sections I. II. III, and VI for changes of owner, well name or number, or transporter or other such change of condition.

	STATE CARRY OFFICE MULLIONS SANTA FE, NEW MEXICO 87501
PPLIC	ATION FOR AUTHORIZATION TO INJECT
Ι.	Purpose: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? yes X no
11.	Operator: Double "C Enterprises
	Address: P. O. Box 147 Lovington, NM 88260
	Contact party: Roland E. Caudill Phone: 396-3331 (505)
111.	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 no 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 which 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.).
111.	Attach appropriate geological data on the injection zone including appropriate lithological data, 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.
х.	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.
ui.	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: Roland E. Caudill Title Partner
	Signature: Roland E. Candill Date: 5-15-84

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. VI. Submitted upon completion as required. X. logs

filed upon well completion as required.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

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 well; 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.

ENERGY AND MINERAL	S DEPARTME	NT		~~".	~ ~ ~	s mark construction		CLON				
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FILE										S, State	-47	Gas Lease No.
U.S.G.S.		WELL	COMPLE	O MOLTE	R REC	OMPLETIO	N RE	EPORT A	ND LOG	m	111	
OPERATOR												
19. TYPE OF WELL		1	Topographic and the Control of the C					to a trace of the second of the	<u>ie 4 "</u>	7. Unit	Agree	ment Name
	0	VELL .	GAS WELL			OTHER	SW	ID		1		
b. TYPE OF COMPLE	TION				DHY					8. Farm	or Le	euse Name
WELL OVE	N DE1	PEN	PLUG BACK	L P	SVR.	OTHER	<u>wa</u>	D		Az	tec	State
2. Name of Operator Doub]	Le "C" E	nteri	orises				1			9. wen 1	No.	
1. Address of Operator								·		10. Fiel	d and	Pool, or Wildcat
P. 0.	Box 14	·7 1	Lovingt	ton, N	IM 88	260				undes	sig	nated
4, Location of Well										1111	116	
, T		1080	`		C	11.		7.000				
UNIT LETTER	LOCATED	1900	FEET P	ROM THE	Sou	Th LINE AND	· \\\	1980	FEET FROM	12. Cour		
P	7.0							IXIII		Y	=	
THE East LINE OF S	16. Date T.D	. Reache	16S RG	Compl. (R	eady to	Prod.) 18.	Eleva	tions (DF.	RKB. RT.	GR. etc.)	19. F.	lev. Cashinohead
											_	38 (est)
11-18-67 20. Total Depth 11 536	21. F	-00 Plug Back		10-68	If Multip	le Compl., Ho	38	37 GL 23. Intervo	lest)	ry Tools		, Cable Tools
11,536		11,	025		Many			Drilled	1 By 0-	-11536	5	
24. Producing Interval(s), of this comp			n, Name		<u></u>	1	·		//		, Was Directional Survey
!											1	Made
											-	No
26. Type Electric and O	ther Logs Run									2	7. Wa:	Well Cored
Electric, M	icrolog	. Son	ic. Ga	ma Ra	v							No
128.			CAS			oort all string	s set i	in well)				
CASING SIZE	WEIGHT L	⋻./ӻҭ.	CAS DEPTH	ING RECO	ORD (Rep	oort all string LE SIZE	s set		NTING REC	ORD		AMOUNT PULLED
CASING SIZE	48		0EPTH	SING RECO	ORD (Rep		s set i	CEME	ATING REC			AMOUNT PULLED None
CASING SIZE 13-318 8-518	48 24 &	32	371 4,3	SING RECO	ORD (Rep HO	LE SIZE	s set	CEME	acks (None None
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CASING SIZE 13-318 8-518 4½ 29. SIZE None Si, Perforation Record (Perf. w/l JSPI	48 24 & 11.6	32 & 13	371 4,3 .5 11 RECORD OTTOM	37 • 536	EMENT	17½ 11 7 7/8	ACID	340 s 650 s 200 s 30. SIZE 2-3/8	acks (acks acks acks	CITC) TUBING R PTH SET ,369 CEMENT	SQUE	None None None PACKER SET 11,305
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CASING SIZE 13-318 8-518 4½ 29. SIZE None Si, Perforation Record (Perf.w/l JSPI .38")	48 24 & 11.6 TOP Interval, size of	32 & 13 LINER Bi	371 4,3 .5 11 RECORD OTTOM	37 536 sacks of	EMENT	17 7/8 7 7/8 SCREEN	ACID	340 s 650 s 200 s 30. SIZE 2-3/8	acks (acks acks acks	CITC) TUBING R PTH SET ,369 CEMENT	SQUE	None None None PACKER SET 11,305
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CASING SIZE 13-318 8-518 4½ 29. SIZE None 31, Perforation Record (Perf.w/1 JSPI .38") Perf w/2 JSI .38") 33. Date First Production	48 24 & 11.6 TOP Interval, size of F from PF from	32 & 13 LINER Build numb	371 4,3 .5 11 RECORD OTTOM er) 6-94• 38-46•	37 • 536 SACKS C (9hole (9hol	EMENT PROD	SCREEN 32. DEPTH DUCTION Ding - Size an	ACID INTE	340 s 650 s 200 s 30. size 2-3/8	acks (acks acks acks 11 Amo	TUBING REPTH SET. 369 CEMENT UNT AND	SQUE KIND	None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED
CASING SIZE 13-318 8-518 4½ 29. SIZE None Si, Perforation Record (Perf.w/l JSPI .38") Perf w/2 JSI .38")	148 24 & 11.6 TOP Interval, size of from 1	32 & 13 LINER Build numb	371 4,3 .5 11 RECORD OTTOM 6-94• 38-46•	37 • 536 SACKS C (9hole	EMENT PROD	SCREEN 32. DEPTH	ACID INTE	340 s 650 s 200 s 30. SIZE 2-3/8	acks (acks acks acks 11 Amo	TUBING REPTH SET	SQUE KIND	None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED
CASING SIZE 13-318 8-518 4½ 29. SIZE None 31, Perforation Record (Perf.w/1 JSPI .38") Perf w/2 JSI .38") 33. Date First Production	48 24 & 11.6 TOP Interval, size of F from PF from	32 & 13 LINER Bind numb 10,78	371 4,3 .5 11 RECORD OTTOM er) 6-94• 38-46•	37.536 SACKS C (9hole (9hole wing, gas to the proof to	PROD	SCREEN 32. DEPTH DUCTION Ding - Size an	ACID INTE	CEME! 340 S 650 S 200 S 30. SIZE 2-3/8 0, SHOT, F ERVAL	acks (acks acks acks 11 Amo	TUBING REPTH SET. 369 CEMENT UNT AND Well St. TMer — Bbl.	SQUE KIND	None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED (Prod. or Shut-in) Gas—Oil Ratio
CASING SIZE 13-318 8-518 4½ 29. SIZE None Si. Perforation Record (Perf.w/l JSPI .38") Perf w/2 JSI .38") Date First Production Duta of Test	TOP Interval, size of F from PF from Pro	LINER BINDA NUMBER 10,78 10,7	371 4,3 .5 11 RECORD OTTOM 6-94• 38-46•	37.536 SACKS C (9hole (9hole wing, gas to the proof to	PROD	SCREEN 32. DEPTH DUCTION Ding – Size an	ACID INTE	CEME! 340 S 650 S 200 S 30. SIZE 2-3/8 0, SHOT, F ERVAL	acks (acks acks acks acks acks acks acks acks	TUBING REPTH SET. 369 CEMENT UNT AND Well St. TMer — Bbl.	SQUE KIND	None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED
CASING SIZE 13-318 8-518 4½ 29. SIZE None Si. Perforation Record (Perf.w/l JSPI .38") Perf w/2 JSI .38") Date First Production Duta of Test	TOP Interval, size of F from Pro Hours Tested Casing Press	32 & 13 LINER Building and numb 10,78 10,7	OEPTH 371 4,3 -5 11 RECORD OTTOM er) 6-94 38-46 Method (Florinoke Size	37.536 SACKS C (9hole (9hole wing, gas to the proof to	PROD	SCREEN 32. DEPTH DUCTION Ding – Size an	ACID INTE	CEME! 340 S 650 S 200 S 30. SIZE 2-3/8 0, SHOT, F ERVAL	acks (acks acks acks acks acks acks acks acks	TUBING REPTH SET. 369 CEMENT UNT AND Well St. TMer — Bbl.	SQUE KIND	None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED (Prod. or Shut-in) Gas—Oil Ratio
CASING SIZE 13-318 8-518 4½ 29. SIZE NONE SI, Perforation Record (Perf.w/l JSPI .38") Perf w/2 JSI .38") 33. Date First Production Date of Test Flow Tubing Press.	TOP Interval, size of F from Pro Hours Tested Casing Press	32 & 13 LINER Building and numb 10,78 10,7	OEPTH 371 4,3 -5 11 RECORD OTTOM er) 6-94 38-46 Method (Florinoke Size	37.536 SACKS C (9hole (9hole wing, gas to the proof to	PROD	SCREEN 32. DEPTH DUCTION Ding – Size an	ACID INTE	CEME! 340 S 650 S 200 S 30. SIZE 2-3/8 0, SHOT, F ERVAL	acks (acks acks acks acks acks acks acks acks	TUBING REPTH SET 369 CEMENT UNT AND Well St TA	SQUE KIND	None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED (Prod. or Shut-in) Gas—Oil Ratio
CASING SIZE 13-318 8-518 4½ 29. SIZE NONE SI, Perforation Record (Perf.w/l JSPI .38") Perf w/2 JSI .38") 33. Date First Production Date of Test Flow Tubing Press.	TOP Interval, size of F from Pro Hours Tested Casing Press	32 & 13 LINER Building and numb 10,78 10,7	OEPTH 371 4,3 -5 11 RECORD OTTOM er) 6-94 38-46 Method (Florinoke Size	37.536 SACKS C (9hole (9hole wing, gas to the proof to	PROD	SCREEN 32. DEPTH DUCTION Ding – Size an	ACID INTE	CEME! 340 S 650 S 200 S 30. SIZE 2-3/8 0, SHOT, F ERVAL	acks (acks acks acks acks acks acks acks acks	TUBING REPTH SET 369 CEMENT UNT AND Well St TA	SQUE KIND	None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED (Prod. or Shut-in) Gas—Oil Ratio
CASING SIZE 13-318 8-518 4½ 29. SIZE None Si. Perforation Record (Perf. w/l JSPI . 38") Perf w/2 JSI . 38") 33. Date First Production Units of Test Flow Tubing Press. 34. Disposition of Gas (35. List of Attachments	48 24 & 11.6 TOP Interval, size of F from Prom Pro Hours Tested Casing Press	LINER BIND BIND BIND BIND BIND BIND BIND BIND	OEPTH 371 4,3 4,3 5 11 RECORD OTTOM er) 6-94 38-46 Method (Floration Rate 24 our Rate ed, etc.)	SACKS CO SACKS CO (9hole (9hole (9hole Test Percentage)	PRODUCTION PORT OF THE	SCREEN 32. DEPTH DUCTION Ding — Size and Oll — Bbl. Gas — M	ACID INTE	CEMEN 340 S 650 S 200 S 30. SIZE 2-3/8 2, SHOT, F ERVAL	acks (acks acks acks acks acks acks acks acks	TUBING REPTH SET. 369 CEMENT UNT AND Well St. TMer — Bbl.	SQUE KING	None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED (Prod. or Shut-in) Gas—Oil Ratio
CASING SIZE 13-318 8-518 4½ 29. SIZE None SI, Perforation Record (Perf.w/1 JSPI .38") Perf w/2 JSI .38") Date First Production Date of Test Flow Tubing Press.	48 24 & 11.6 TOP Interval, size of F from Prom Pro Hours Tested Casing Press	LINER BIND BIND BIND BIND BIND BIND BIND BIND	OEPTH 371 4,3 4,3 5 11 RECORD OTTOM er) 6-94 38-46 Method (Floration Rate 24 our Rate ed, etc.)	SACKS CO SACKS CO (9hole (9hole (9hole Test Percentage)	PRODUCTION PORT OF THE	SCREEN 32. DEPTH DUCTION Ding — Size and Oll — Bbl. Gas — M	ACID INTE	CEMEN 340 S 650 S 200 S 30. SIZE 2-3/8 2, SHOT, F ERVAL	acks (acks acks acks acks acks acks acks acks	TUBING REPTH SET. 369 CEMENT UNT AND Well St. TMer — Bbl.	SQUE KING	None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED (Prod. or Shut-in) Gas—Oil Ratio
CASING SIZE 13-318 8-518 4½ 29. SIZE NONE SI, Perforation Record (Perf.w/1 JSPI .38") Perf w/2 JSI .38") Date First Production Date of Test Flow Tubing Press. 34. Disposition of Gas (35. List of Attachments 15. I hereby certify that	48 24 & 11.6 TOP Interval, size of F from Prom Pro Hours Tested Casing Press	LINER But and numb LO, 78 10, 7	OEPTH 371 4,3 -5 11 RECORD OTTOM er) 6-94 38-46 Method (Florinoke Size alculated 24 our Rate ed, etc.)	SACKS CO SACKS CO SACKS CO (9hole (9hole (9hole - Oil - B s of this fe	PRODUCTION IS TOUR PORT IN PART IN	SCREEN 32. DEPTH DUCTION Ding - Size and Oil - Bbi. Gas - N	ACID INTE	CEMEN 340 S 650 S 200 S 30. SIZE 2-3/8 2, SHOT, F ERVAL	acks (acks acks acks acks acks acks acks acks	TUBING REPTH SET. 369 CEMENT UNT AND Well St. THer — Bbl.	atus (None None None PACKER SET 11,305 EEZE, ETC. MATERIAL USED (Prod. or Shut-in) Gas—Oil Ratio

STATE OF NEW MEXICO

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of a ynewly-drilled or despended well. It shall be accompanied by one copy of all electrical and radio-activity least run on the well and a summary of all special tests conducted, including driff stem tests. All depths reported shall be measured depths, in the case of directionally driffed wells, true control also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in an atuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

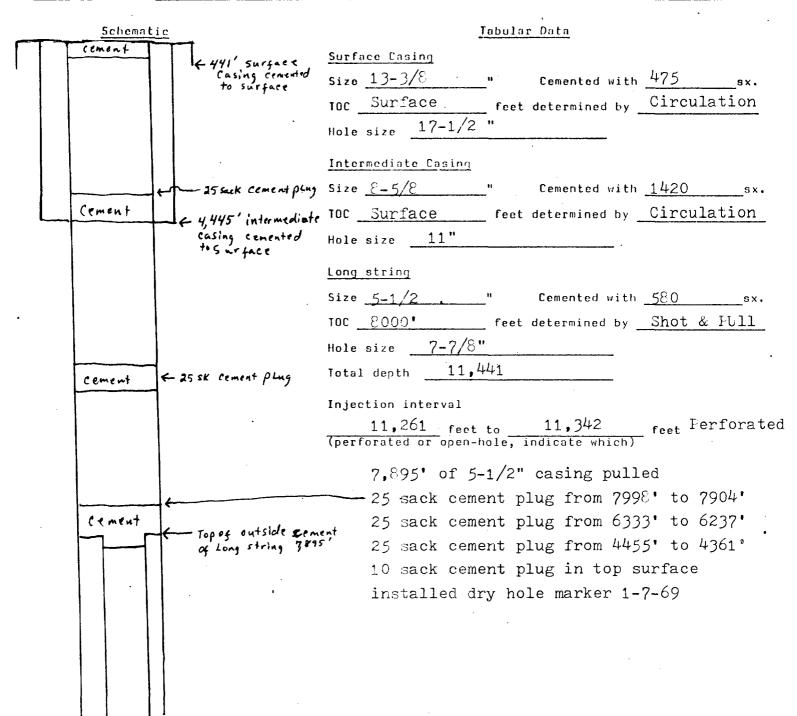
		Southe	astern	New Mexico					Northwes	tem Ne	w Mexico		
T. Salt B. Salt T. Yate T. 7 Ri T. Quee T. Gray T. San T. Glor T. Pade T. Blir T. Tub T. Dvin T. Abo T. Wolf T Pen	vers	2110 3252 4187 4994 6390 7685 8404 9910	T. T	Canyon Strawn Atoka Miss Devonian Silurian Montoya Simpson McKee Ellenburger Gr. Wash Granite Delaware Sa Bone Spring	11,264 11,470	T. T	Kirtla Pictur Cliff I Menef Point Manco Gallur Se Gree Dakot Morris Todila Entrac Winga Chinle	nd-Fruitl red Cliffs House ce Lookout os enhorn a son to tte an	and	T. T	Penn. 'B' Penn. 'C' Penn. 'D' Leadvil e Madisor _ Elbert _ McCrac' er Ignacio Qt Granite _	zte	
No. 1, fr	om			_to	OIL OR GA	.S S. No	ANDS 5. 4, fro	OR ZON	IES		to		***********
					IMPORTA	. No	o. 6, fro	m	***********************				
Include d	ata on ra	te of water in	flow as	ad elevation to	which water ro	se in	hole.						
No. 1, fro	om	***********	••••••	1	to		· · · · · · · · · · · · · · · · · · ·	·····	feet.	******	***************************************	*************	
No. 2, fro	ım		*******		to				feet.	•••••	************	***********	*********
No. 3, fro	m	***************************************	********	1	to				feet.		**************	****************	
No. 4, fro	m				RECORD (Attac						······································		***********
From	То	Thickness in Feet		Formati	ion		From	То	Thickness in Feet		Form	ation	

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Fermation
0	2110	2110	Red beds, Sand & Sh.				
2110	3252	1142	Salt, Anhy & Gypsum				
3252	4994	1742			}		
Look			& Dolomite				
4994	9910	4916					
9910	11000	1090					
11000	11536	536	Gray Shale LM, Chert & Gray Sh				

INDECTION WELL DATA SHLET

	" Enterprises FOOTAGE LOCATION	Aztec SECTION	State TOWNSHIP	RANGE
WELL NO. 1			165	
<u> </u>	1900 1011 1900			
Schem	Surface coment	asing <u>Surface Casing</u>	abular Data	
	Surface casing 13		" Cemented wi	th340sx.
	3/8" @ 37	l' 10c surface	feet determined b	circulation
		Hole size $17-\frac{1}{2}$		
		Intermediate Casing		
		Size <u>8-5/8</u>	" Cemented wi	th <u>650</u> sx
	+ Top of cemen	nt roc <u>2,810'</u>	feet determined by	y estimated &
	2,810' outs. 8-5/8" casin	ng Hole size	11"	
		Long string		
1	Lasing: 8-5	e $/8$ "Size $4-\frac{1}{2}$	" Cemented wit	th 200 sx
	@ 4.337	TOC 10,460		
	·	Hole size		
		Total depth 1	1,536	
		Injection interval		
		10,738 feet (perforated or open-h	to 10,794	feet
		(perforated or open-hiperforated w/l J		
		(9 holes 38 inch		5-94°
		perforated w/l J	SFF from 10,738)-46
		(9 holes 38 inch	diameter)	
		•		
lu a sa	l'op of cement	10,460' outside 4-1	g" casing	
ker del "R"		inch diameter @ 10,7		
ttom of	#4-½" Halliburt on top.	ton EZ drill bridge	plug @ 11,060'	with 35° ceme
3/8"	20/.43" perfo -4-\frac{1}{2}" casing s	orations from 11,336	5' to 11,386' (Strawn zone)
3/8" bing @ - .500'				set in a
bing @	2-3/8" lin	led with <u>Flastic</u>	C	
bing @,500" Tubing size	2-3/8" lin	led with Flastic	c erial) at <u>10,500</u>	
bing @,500' Tubing size	2-3/8" lin Model "F" nd and model)	packer	c erial) at <u>10,500</u>	
bing @	2-3/8" lin	packer	c erial) at <u>10,500</u>	
bing @	2-3/8" lin Model "F" Ind and model) any other casing-tubi	ng seal).	c erial) at <u>10,500</u>	
bing @	2-3/8" lin	packer ng scal). onWolfcamp	at <u>10,500</u>	feet .
bing @	2-3/8" lin Model "F" Ind and model) any other casing-tubi the injection formation	packer ng seal). on Wolfcamp licable) East 1	at <u>10,500</u> Lovington	feet .
bing @	2-3/8" lin Model "F" nd and model any other casing-tubi the injection formation Field or Pool (if app) a new well drilled for	packer ng scal). onWolfcamp	at <u>10,500</u> Lovington XX No	feet .
Baker (bran	2-3/8" lin Model "F" nd and model any other casing-tubi the injection formation Field or Pool (if appliance well drilled for what purpose was the purpose w	packer ng seal). Molfcamp licable) East 1 r injection? /// Yes ne well originally drille	Lovington XX No d? Oil & gas r	production
Baker (bran (bran (bran (bran (bran (bran)) 1. Name of 2. Name of 3. Is this If no, for and give	2-3/8" lin Model "F" Ind and model) any other casing-tubin the injection formation Field or Pool (if appliance well drilled for what purpose was the plunging detail (sach	packer ng seal). Molfcamp licable) East 1 r injection? /// Yes ne well originally drille ated in any other zone(s) as of cement or bridge pl	at 10,500 Lovington XX No d? 0il & gas r ? List all such poug(s) used) yes	production erforated intervals
bing @ .500 tubing size Baker (branche (branche better Data) 1. Name of 2. Name of 3. Is this and give	2-3/8" lin Model "F"	packer ng seal). Molfcamp icable) East 1 cinjection? /// Yes ne well originally drille ated in any other zone(s) as of cement or bridge pl 36: 11,336: 11,340;	at 10,500 Lovington XX No d? Oil & gas r cug(s) used)yes 11,342: 11,353	production erforated intervals Ferforated
Baker (bran	2-3/8" lin Model "F" Ind and model) any other casing-tubin the injection formation Field or Pool (if appliant a new well drilled for or what purpose was the self over been performant plunging detail (sach plunging detail (sach pools weach: 11.3) Fig. 1-43 hole/bt.	packer ng seal). Molfcamp licable) East 1 r injection? /// Yes ne well originally drille ated in any other zone(s) as of cement or bridge pl	at 10,500 Lovington XX No d? 0il & gas r ? List all such poug(s) used) yes 11,342; 11,353	roduction erforated intervals Ferforated 1: 11.355: 11.3

OPERATOR		LEASE	Unit	Letter
Getty C	il Co.	H.1. Montieth"D"		N
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
1	2333.8FWL, 660FSL	18	16S	37E



STATE OF NE	W MEXICO					ŧ	levised 10-1-78
ENERGY AND MINERA	LS DEPARTMENT		CONSERVA	TIONE	UVISION	,— <u>,—,</u> —,	
wa, or corice heer		OIL (P. O. BO		71713.011	Į.	ate Type of Lease
SANTA FE	<u>*</u>	102	NTA FE, NEV		0 87501	State	Oil & Gas Lease No.
FILE		JAI	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			5. State	Oil & Gas Lease No.
U.S.G.S.	,	WELL COMPLE	TION OR REC	OMPLETIC	N REPORT A	VD LOG TTTT	
LAND OFFICE	'	VCCL COMI LL	TION ON NEC	OWN EETIC	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
OPERATOR							Agreement Name
la. TYPE OF WELL	011	[1		7. Unit 7	dreement Name
b. TYPE OF COMPL		GAS WELL	DRY	OTHER		8. Farm	or Lease Name
1		PLUG BACK	DIFF.]		i i	
2. Name of Operator	ER DEEP	EN BACK	L_ AESVR.L_	OTHER		9. Well N	. Montieth "B"
!	Oil Compa	nv	-			,	
3. Address of Operator		· · · · · · · · · · · · · · · · · · ·				10. Field	and Pool, or Wildcat
F.O. D:	rawer D D	Levellan	d meyer	20226		Und	esignated
1. Location of Well	Lawer D D	TC A CTTOIL	u, tenas	(7)10		7777	mminiitiin
UNIT LETTER	LOCATED	600 FEET F	ROM THE NORT	th LINE AND	2334_	EET FROM	
				11111	THRITT	12. Coun	Million Million
THE West LINE OF	sec.]9 1	WP. 16-S AGE	E. 37_E NMPA			llll Lea	
THE West LINE OF	16. Date T.D. F	Reached 17. Date	Compl. (Ready to	Prod.) 18.	Elevations (DF, A		9. Elev. Cashinghead
ļ					3847"		
20, Total Depth	21. Plu	ig Back T.D.	22. If Multip	ole Compl., Ho	ow 23. Interval Drilled	s , Rotary Tools	Cable Tools
11,410					t t	<u>→</u>	
24, Producing Interval	s), of this comple	tion - Top, Bottom	, Name				25. Was Directional Survey Made
Pennsyly	vania (Str	rawn)	11,296 t	o 11 3	30		
					·		
26. Type Electric and	Other Logs Hun					27	. Was Well Cored
100		C.1.C.	WIO DECORDO /O	21			
28.	WEIGHT LB.		ING RECORD (Res			ZING DECODD	1 110000 7 1000 1 100
CASING SIZE				LE SIZE		TING RECORD	AMOUNT PULLED
13-3/8" 8-5/8"	40#			7 <u>1</u> "		lliburton I	
5- 1 "	24# & 3			7/8"		Maliburton 9	
7-2	17#	11,4		770	400 SX 1	Maliburton 9	0.2#/gal -0- be 9502
29.		INER RECORD	RF.C.		30.	TUBING R	
SIZE	TOP	воттом	SACKS CEMENT	SCREEN		DEPTH SET	PACKER SET
			· · · · · · · · · · · · · · · · · · ·				
31, Perforation Record	(Interval, size and	d number)		32.	ACID, SHOT, FR	ACTURE, CEMENT	SQUEEZE, ETC.
77 006 1	22.000			DEPTH	INTERVAL	AMOUNT AND	KIND MATERIAL USED
11,296 t	0 11,330						
1							
Data First Production	I p t	ction Method (Flou		DUCTION	nd type num-1	W-11 C+	itus (Prod. or Shut-in)
Data First Production	Produc	ection Method 17 tox	ong, gus tijt, pami	onig - size a	na type pump)	well sid	itus 1 roa. or suut-un/
Dute of Test	Hours Tested	Choke Size	Prod'n. For	Oil - Bbl.	Gas - MCF	Water — Bbl.	Gas - Oil Ratio
	1	0.1520 0.20	Test Period			1	ods = on ridio
Flow Tubing Press.	Casing Pressur	e Calculated 24	OII Bbl.	Gas -	MCF Wat	er – Bbl.	oil Gravity - API (Corr.)
		Hour Rate			1		
34. Disposition of Gas	(Sold, used for fue	el, vented, etc.)	1			Test Witnesser	і Ву
35, List of Attachments							
i 							
38. I hereby certify tha		house on book alder	of this form is to	a and somela		w knowledge and hal	el
	t the information s	noten on vota states	of this join is the	te min compte	te with best of m	y knowieuge and beti	, ,,,
	t the thjormation s	nown on vota states	o, inis jom is iri	te wid compte	te to the best of m	y moureage and bed	,

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of a y newly-duffled 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 case of directionally drilled wells, true certical 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 an atuablicate except on state land, where six copies are required. See flute 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

		South	heastern	New Mexico				Northwe	stem Ne	ew Mexico	;	
T. Anl	h y		Т.	Canyon	т	. Ojo A	lamo		т.	Penn. '	B''	
				Strawn								
				Atoka								
T. Yat	les		Т.	Miss	т	. Cliff I	louse		T.	Leadvil	e	
T. 7 R	ivers		T.	Devonian	т	. Menef	ee		T.	Madisor		···
T. Qua	en		Т.	Silurian	Т	. Point	Lookout		T.	Elbert .		
T. Gre	yburg		т.	Monto ya	Т	. Manco	s		T.	Mc Crac	:en	
T. San	Andres _		Т.	Simpson	т	. Galluj)		т.	Ignacio	Qtzte	
T. Glo	rieta		т.	McKee	B	ase Gree	nhorn		Т.	Granite		
T. Pac	ddock		т.	Ellenburger	т	. Dakot	a		Т.			
				Gr. Wash								
T. Tul	ւ b		T.	Granite	r	. Todilt	0		т.			
T. Dri	nkard		т.	Delaware Sand	т	. Entrad	la		Т.			·
T. Abo	0		T.	Bone Springs	Т	. Winga	:e		T`.			
T. Per	nn		Т.		Т	. Permi	an		T.			
T Cisc	co (Bough	C)	Т.		т	. Penn.	"A"		т.			
				0.11.0	R GAS S	ANDS	or zon	IES				
No. 1. fr	rom			.to						to		
No. 2, fr	aror			.to	N	o. 5, fro	n		***********	to		******************
No. 3, fr	om			.to	N	o. 6. fro	n			to		
			•								·····	*****************
				IMPO	ORTANT	WATER	ŠANDS					
Include	data on ra	te of water	inflow an	d elevation to which wa	ter rose in	hole.						
No. 1, fr	rom			to				feet.	**********		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~~
No. 2, fr	างกา			to				fcct.				
_				to								
-												
No. 4, fr	ommo			toto				fcet.		••••••		***********
				FORMATION RECORD	(Attach ac	lditional	sheets it	fnecessary	y)			
From	To	Thickness in Feet		Formation		From	То	Thickness in Feet		F	rmation	
								T				·

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	
}						}	

STATE OF NEV										(Revised 10-1-78
ENERGY AND MINERAL		MENT	OH (CONSI	ERVA	TION D	עוכ	ISION		C72710374	ate Type of Lease
DISTRIBUTION		_	0,2		O. BO					State	
BANTA FE	`		SA!	NTA FE	E, NEW	MEXIC	0 87	501		L	Oil & Gas Lease No.
FILE										1	-4765
U.S.G.S.		WELI	L COMPLE	TION O	R RECO	OMPLETIC	ON R	EPORT A	ND LOG	77777	mmmmm
OPERATOR											
Id. TYPE OF WELL			<u></u>	en e					······	7. Unit A	Agreement Name
		OIL X	GAS WELL	П							
b. TYPE OF COMPLE	TION	WELL LIL) WELL	لسا	URY []	OTHER				8. Farm	or Lease Name
WELL OVE	R X	DEEPEN	PLUG BACK	DI	SVR.	OTHER				Peni	nzoil State
2. Name of Operator										9. Well N	
Blanks E	nergy	Corpor	ration			····		······································		2	
3. Address of Operator	1- D				_						d and Pool, or Wildcat
600 Blan	ks bul	laing,	, Midia	and,	l'exas	797	01			NE	Lovington Penn
1. Location of well											
R		660			Mont	<mark>ኤ</mark>		1000			
UNIT LETTER B	LOCATED		FEET F	ROM THE	MOLC	LINE AN	777	17777	FEET FROM	12. Coun	
- Foot	٦0	-	16 0	an r	a a				//////	4	////////
THE East LINE OF	16. Date 7	D. Reach	ed 17. Date	Compl. (R	eady to l	Prod.) 18.	Eleve	ations (DF ,	RKB, RT, C	GR, etc.)	19. Elev. Cashinghead
						38				1	
20. Total Depth	21	. Plug Bac) (22.	If Multipl	le Compl., H	ow	23. Intervo	als , Rota	ry Tools	3879.1 GL Cable Tools
11,530'				,	Many			Drilled	-> : Su	rf-ጥD	
24. Producing Interval(s	s), of this co	mpletion -	- Top, Bottom	, Name				<u> </u>			25. Was Directional Survey Made
37 1.00	70.										_
11,407			.me	·							Yes
25, Type Electric and C										27	. Was Well Cored
GR-FoRx	o-Guar	d, GR-									No
28,	T				,	ort all string	gs set				
CASING SIZE		LB./FT.	DEPTH		·	E SIZE	 		NTING REC	ORB	NA NA
<u>13 3/8"</u> 8 5/8"		4.5	, 	392		17불"	-	400 ;			NA NA
4½"	24.	28. 32		¥282 ' L530'	,	11 " 7 7/8"	+	1400 1225		7082	NA NA
T2		1.0		برر.		<i>[</i>	+	1447	5X	/	142
29,		LINER	RECORD		L			30.		TUBING R	ECORD
SIZE	TOP		ВОТТОМ	SACKS C	EMENT	SCREE	٧	SIZE	DE	PTH SET	PACKER SET
								2 3/8	3" 1	1.300	11,300'
31. Perforation Record	Interval, siz	e and num	ber)			32.	ACII	D, SHOT, F	RACTURE,	CEMENT	SQUEEZE, ETC.
11,407, 11,	13,16	,18,20	,22,25,	27.29	.32.			ERVAL			KIND MATERIAL USED
36, 37, 44, (20-0.48" i	, 46, 1	18, 52	, 54, 5	6, 58	•	11,4	107-	.58 *	2100	Gal W	OD 202
(20-0.48" F	Holes)					}	~				·
			*			ļ		·			
33.					PROD	UCTION			L		
Date First Production		Production	Method (Flou	ving, gas l			nd typ	e pump)		Well Sto	atus (Prod. or Shut-in)
08-13-80		Flo	wing							P	rod.
Dute of Test	Hows Tes	led (Choke Size	Prod'n.		Oil - Bbl.		Gas - MCI	Wat	er - Bbl.	Gas - Oil Ratio
08-21-80	24 r	irs.	24/64"	Test Pe		1008		1608	}	-0-	1595:1
Flow Tubing Press.	Casing Pro		Calculated 24- Your Rate	1		Gas -		1	iter - Bbl.	(Oil Gravity - API (Corr.)
700#	Pkr				800	1	608				
34. Disposition of Gas (Sold, used j	or fuel, vei	nted, etc.)						Tes	t Witnesse	
Vented 35. List of Attachments										Jim S	tewart
Test Summa	wir Dem	ł									
36, I hereby certify that			on both side:	s of this fe	orm is tru	e and compl	ete to	the best of	my knowled	ke and bel	i e f.
,	•					•		Í		-	
SIGNED				TIT	1 F					DATE .	•

This form is to be filled with the appropriate District Office of the Division not later than 20 days after the completion of a ynewly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well end a summary of a special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true critical depths shall olso be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filled in an abultate except on state land, where six copies are required. See Hule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STAYE

		Sout	heastern	New Mexico				Northwe	estem Ne	ew Mexico		
T. Anhy	,		т.	Canyon	Υ.	Ojo A	lamo		т.	Penn. '	3''	
				Strawn								
B. Salt.	·		т.	Atoke	T.	Pictu	ed Cliffs		т.	Penn.	0"	
				Miss								
T. 7 Riv	vers		T.	Devonian	Т.	Menef	ee		т.	Madisor		
T. Quec	:a		т.	Siluri an	т.	Point	Lookout		т.	Elbert .		
T. Gray	burg		т.	Montoya	T.	Manca	s		Τ.	McCrac	en	
T. San A	Andres		т.	Simpson	T.	Gallu)		т.	Ignacio	Qtzte	
T. Glori	ieta		T.	McKee	Ba	se Gree	nhorn		Т.	Granite		
T. Padd	lock		τ.	Ellenburger	Т.	Dakot	а		т.			
T. Bline	ebry		т.	Gr. Wash	T.	Morris	on		т.			
T. Tubb			Т.	Granite	Т.	Todili	0		т.			
T. Drink	kard		Т.	Delaware Sand	т.	Entra	ia		T.			
T. Abo.			T.	Bone Springs	Т.	Winga	te		Т.			
T. Wolfe	camp		Τ.		т.	Chinle	·		т.			
T. Penn	١	,	T.		Т.	Permi	an		т.			
T Cisco	(Bough C	c)	т.		Т.	Penn	"A"		т.			
					R GAS S							
No. 1. from	m			.to						to		
-						-						
No. 2, from	na			to	No	o. 5, fro	m			to		••••••
No. 3, fra	m	••••••		to		. 6, fro	m	**********		to	. ******3***********	
				IMP	ORTANT !	WATER	SANDS					
Include da	ata on rate	e of water	inflow an	d elevation to which wa	ater rose in	hole.						
No. 1, froi	m	·	*****	to			·····		**********			
No. 2, froi	m	·····		to				fect.	***********	•••••		
No. 3, fro	m		************	to				feet.				
				to								
. 10. 7, 110		• • • • • • • • • • • • • • • • • • • •		ORMATION RECORD						***********		•••••
	T	Thickness	·	<u></u>				Thickness				
From	То	in Feet		Formation		From	То	in Feet		F	rmation	

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Firmation
				+			
							;

STATE OF NEV							*		į	Revis	ed 10-1-78
ENERGY AND MINERAL	S DEPARTMEN	T	CONC	E ED V A	TION	ww	ISION				
HO, OF COPIES RECE		OIL		. С V М . О. ВО		, i v	131011				ype of Leuse
DISTRIBUTIO	<u>*</u>	c n			MEXICO	ገ ጸን	501		State		
FILE		3,	(14 1 A() L	., 14 1 44	MEXICO	, ,,	,				Gas Lease No.
U.S.G.S.		WELL COMPL	ETION OF	DECC	MPI ETIC	NI P	EPORT AN	DIOG	UG.	-47	65
LAND OFFICE		WELL COMPL	E HON OF	Y KECC	JANIT LL I I C	/IN IX	LI OKI MI	D LOO		///	
OPERATOR			nage with the same of the same				<u> من معرب سنده معرب بيد</u>		77777	777	
la. TYPE OF WELL									7. Unit /	\gree:	ment Nam e
	01L	CAS WEL		DRY	OTHER						
b. TYPE OF COMPLE											ase Name
	RK DEEP	EN BAC	K DI	SVA.	OTHER						oil
2. Name of Operator									9. Well 1	10.	
W.C. Bla	.nks								1	 -	
3. Address of Operator								1			Pool, or Wildcat
600 Blan	ks Build:	ing. Mid	land, 7	^l exas	7970)1			NE	Lo	vington Fenn
4. Location of Well											
	•	·					_			///	
UNIT LETTER G	LOCATED	1980 PEET	FROM THE	Vorth	LINE AND		1 <u>980 </u>			777,	
							M		12. Coun	ity	
THE East LINE OF	sec. 18	TWP. 16-5 A	GE. 37-E	NMPM	VIIII	$^{\prime\prime\prime\prime}$	[X]]]].	7////	Lea		AllIIIII
•	1	1			I			KB, RT , G	R, etc.)	19. El	ev. Cashinghead
10/27/79 20. Total Depth		lg Back T.D.	2/21/79)		38	351 GL			_3	851 GL
1	21. Pl	ig Back T.D.	22.	li Multipl Many	e Compl., Ho	w	23. Intervals Drilled E	Rotary	Tools		Cable Tools
11,530		11,525		·				<u>≻:0-7</u>			i
24. Producing Interval(s), of this comple	tion - Top, Botto	om, Name							25.	, Was Directional Survey Made
11 202	יים אלם מי										
11,372 -		rawn		····							Yes
26, Type Electric and (27		Well Cored
FORXO Gua	<u>rd & Side</u>	ewall Neut	ron Ga	mma (Caliper]	No
28.		CA	SING RECO	RD (Rep	ort all string	s set	in well)				
CASING SIZE	WEIGHT LB	./FT. DEPT	HSET	ног	E SIZE		CEMENT	ING RECO	ORD		AMOUNT PULLED
13- 3/8		3	386	17	1 2	40	$0.0 \mathrm{sx}$	cir. t	o sur	·f.	-0-
8- 5/8		4,3	305	11	···	140	$0.0 \mathrm{sx}$	circ.	150 5	X.	to pits -0-
4를		11.5	525	7 '	7/8	160	00 sx	top @	7500		-0-
						<u> </u>					
29.	1	INER RECORD					30.	T	UBING R	ECOR	₽D
SIZE	тор	воттом	SACKS C	EMENT	SCREEN		SIZE	DE	TH SET		PACKER SET
n/a							2-7/8	<u> 11</u>	.429		n/a
			<u> </u>					<u> </u>			·
31. Perforation Record	(Interval, size an	d number)			32.	ACI	SHOT, FRA	CTURE,	CEMENT	SQUE	EZE, ETC.
					DEPTH				NT AND	KIND	MATERIAL USED
11 200	33 1.70				11.37	<u>2-1</u>	1,407			CA	····
11,372 -	11,453				11,44	<u>3-1</u>	1,453 2	2000 g	<u>al. l</u>	5%	spearhead H
.48											
21					<u> </u>						· · · · · · · · · · · · · · · · · · ·
33,					UCTION				T		
Date First Production	1	action Method (Fle	owing, gas l	ift, pump	ing - Size ar	id typ	e pump)]	-	Prod. or Shut-in)
12/21/79		lowing	-12								ing
1/31/80	Fiours Tested	Choke Size	Prod'n. Test Pe		Oil — Bbl.	ı	Gas MCF	1	Bbl.	1	Sas Oll Ratio
	Carina Pressur	26/64		<u> </u>	449	465	665		-0-	1	1482
Flow Tubing Press.	Casing Pressu	Calculated 2 How Hate	1		Gas - 1		1	r – Bbl.	1	J11 GI	avity - API (Corr.)
34. Disposition of Gas	900	el sented at	<u> </u>	У		665	<u></u>	-0-	Witnesse	1 50	42.7
	Join, asen joi ju	on venteu, etc./								-	
Vented 35. List of Attachments				· · · · · · · · · · · · · · · · · · ·				L	rerry	WY	nitely
Electrical	l Loge &	Test Summ	277								
36. I hereby certify that							,				
. = , = 2.11, 2.11	the information :	shown on both sid	es of this fo	rm is true	e and comple	te w	the best of m	r knowledo	e and hal	iel.	
	the information :	shown on both sid	les of this fo	rm is true	e and comple	te to	the best of my	knowledg	e and bel	ief.	

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-diffied 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 case of directionally drilled wells, true critical 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 qui stuplicate except on state land, where six copies are required. See Bule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico									Northwe	estem Ne	ew Mexico
T.	Anhy			T.	Canyon	-	r. Ojo A	lamo		τ.	Penn. "3"
											Penn. "3"
B.	Salt_	·		т.	Atoka		. Pictu	red Cliffs		т.	Penn. "D"
T.	Yates	3		T.	Miss		C. Cliff	House		T.	Leadvil e
т.	7 Riv	ers		т.	Devonian		C. Menef	ee		Т.	Madisor
T.	Queer	n		Т.	Siluri an	1	. Point	Lookout		т.	Elbert .
T.	Grayb	ourg		T.	Montoya	7	. Mance	os		T.	McCracl en
											Ignacio Qtzte
T.	Glorie	eta		т.	McKee	F	Base Gree	nhorn	~ 	Т.	Granite
Т.	Drink	ard		T.	Delaware Sand		C. Entra	da		Т.	
T.	Abo _			т.	Bone Springs		. Winga	te		Т.	
Т.	Wolfe	amp		т.	***		C. Chinle	e		T.	
T.	Penn.			T.		7	. Permi	an		T.	
T	Ciaco	(Bough C	c)	Т.			C. Penn.	"A"		т.	
					011 0	OR GAS	SANDS	OR ZON	IES		
No.	1. fron	n		******							to
	-										
No.	2, fron	n			.to	l	40. 5, fro	m			to
No.	3, from	n	····		.to	1	10. 6, fro	m	*******		to
					IMP	PORTANT	WATER	SANDS			
Incl	ude da	ita on rat	e of water	inflow an	d elevation to which w	ater rose is	hole.				
No.	1, fron	n	·····		to	•••••		••••••••	feet.	**********	
No.	2, from	n	••••••••		to				feet.		
No.	3, from	n	•••••••		to				feet.	**********	
No.	4, from	a		***********	to				feet.	************	
					ORMATION RECORD						
-	From	То	Thickness in Feet		Formation		From	То	Thickness in Feet		F >rmation

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Formation

Affidavit of Publication

STATE	\mathbf{OF}	NEW	MEXICO)	
)	SS.
COUNT	v o	E LEA	1)	

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled
Legal Notice
and numbered in the
Court of Lea
County, New Mexico, was published in a regular and
entire issue of THE LOVINGTON DAILY LEADER and
not in any supplement thereof, once each week on the
same day of the week, forThree Times
consecutive weeks, beginning with the issue of
April 9 19.84
and ending with the issue of
April 23 , 19 84
And that the cost of publishing said notice is the
sum of \$2135
which sum has been (Paid) (Assessed) as Court Costs
Jane Clemens
Subscribed and sworn to before me this 27th
day of April , 19.84. Notary Public, Lea County, New Mexico
Notary Public, Lea County, New Mexico
My Commission Expires Left 28, 19.56

LEGAL NOTICE
NOTICE OF APPLICATION
FOR FLUID
INJECTION WELL PERMIT
Double "C" Enterprises, P.O.
Box 147, Lovington, New
Mexico 88260, (505) 3965605 Roland Caudill (Pattner)
has applied to the Oil Conservation Division for a pennit to
convert the Aztec State Well
No. 1 into a salt water disposal well. The well is hocated
1980' FSL, 1980' FEL, Sec.
18, T16S, R37E, Lea County,
New Mexico (3 miles SE Lovington). Aztec State ho., 1 is
located in the east Leaguery
field with a proposed injection formation, depthy rates
and pressures as follows: Wolfcamp formation, 10,738'-10,794', 1500 BW day, and 1000
psi. Interested parties must file
objection or requests. For hearing with the Oil Conservation
Division, P.O. Box 2088, Sante Fe, New Mexico 87501,
within 15 days.
Published in the Lovington
Daily Leader April 9, 16, and
23, 1984.



WATER ANALYSIS REPORT

respectively. Where epm and ppm are used, corrections should be made for

RES:

specific gravity.

TELEPHONE

COMPANY				***************************************	ANALYSIS NUMBER
DOUDLE "(C" Enterprises				0313
COMI ANT ABONEGO					5/13/84
FIELD			COUNTY OR PARIS	Н	STATE
LEASE OR UNIT SHELBY GI	WELL(S) NAMI LLMORE IRRIGATION		WATER SOURCE (F	ORMATION)	
DEPTH. FT. BHT. °F	SAMPLE SOURCE	TEMP, OF	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY
DATE SAMPLED	TYPE OF WATER	······································	<u> </u>		
	PRODUCED	SUPPLY	☐ WATERFL	OOD SALT	WATER DISPOSAL
40 . + 20 . 15	(NUMBER BESIDE	ATER ANALYSIS	S PATTERN DICATES me/I* SCAL		15 20 1O
10 Na ⁺ 20 15	5 10 5 1 1 1 1 4 1 1 1 1	, , , , , , , , , , , , , , , , , , , 		10	15 20 CI - 10
100 ca++	++++	11-1-1-1	+++++		HCO ₃ ⁴ _1
100 Mg++	-++++	111111	 	 	so ₄ " 1
1 Fe+++					co ₃ - 1
DISSOLVED SOLIDS			DISSOLVED	GASES	
CATIONS Total Hardness Calcium. Ca ++ Magnesium, Mg++ Iron (Total) Fe+++	me/l* 244 236 8 -0-	4720 97.6		kide, CO2	-0- mg/l* mg/l* mg/l*
Barium, Ba ⁺⁺		erit (20) ma		THOTENTIES	
Sodium, Na [†] (calc.)	99.52	2288.9	Specific Gra	vity ved Solids (calc.)	6,20 1,005 12 <u>310,26</u> mg/l*
ANIONS Chloride, CI Sulfate, SO4 Carbonate, CO3	140.85 2.08 -0-	5000 100 -0-	Stability Inc	dex @ 30 °C	12.65 me/1*
Bicarbonate, HCO3 Hydroxyl, OH Sulfide, S ⁼	1.70 -0- 	103.7		Possible (calc.) Possible (calc.)	2 • U8 me/l* me/l*
			Residual Hyd	drocarbons	ppm(Vol/Vol)
TOTAL SOLIDS (QUANTIT	TATIVE)	12310.2	6		
REMARKS AND RECOMM					and mg/l are commonly ingeably for epm and ppm

@30 C slight corrosive tendency is indicated

ADDRESS

DISTRIBUTION

DATE

@30 C calcium sulfate scaling is unlikely

BAKER OIL TREATING REPRESENTATIVE

ANALYZED BY



BAKER OIL TREATING REPRESENTATIVE ADDRESS

DATE

18-3

DISTRIBUTION

Joe Lewis

ANALYZED BY

WATER ANALYSIS REPORT

TELFPHONE

RES:

OFF.

COMPANY	711 772 4					ANALYSIS NUMBER
Double "(" Enterp	rises				0314
COMPANY ADDRESS						5/13/84
FIELD				COUNTY OR PARIS	H	STATE
LEASE OR UNIT		WELL(S) NAM		WATER SOURCE (F	ORMATION)	
Fresh Water Well				L		
DEPTH, FT. BHT. OF	SAMPLE SOU	RCE	TEMP, OF	WATER, BBL/DAY	OIL, BBL/DAY	GAS. MMCF/DAY
DATE SAMPLED	TYPE OF WA	TER		A		
	PROD	UCED	SUPPLY	☐ WATERFL	LOOD SALT	WATER DISPOSAL
10 Na+ 20 15		ABER BESIDE	ATER ANALYSIS ION SYMBOL INC	S PATTERN DICATES me/I* SCAL		15 20 cr 10
-io Na Titti		<u> चित्</u>	, , , , , , , , , , , , , , , , , , , 	- 		15 20 ci - 10
_100 co**		++++		++++++	 	нсо ₃ -1
100 Mg++	-+-+-+-				 	so ₄ 1_
1 Fe+++	1 1 1 1	1111				co ₃ 1_
DISSOLVED SOLIDS				DISSOLVED	GASES	
CATIONS		me/ I *	<u>mg/l</u> *	Hydrogen S		mg/I*
Total Hardness Calcium. Ca ++	*****	214	4280	Carbon Diox — Oxygen, O2		7.92 mg/l*
Magnesium, Mg ⁺⁺		14	<u> 170.8</u>			-
Iron (Total) Fe ⁺⁺⁺		0		PHYSICAL	PROPERTIES	
Barium, Ba ⁺⁺ Sodium, Na ⁺ (calc.)		83.14	1912.22	pH		6.20
Sodium, Na (caic.)		<u> </u>	<u> </u>	Specific Gra	ivitv	1.005
	• 1900-1999					11 <u>572.22mg/1*</u>
ANIONS		440.05	5.0 00	-Stability Inc	dex @ <u>30</u> ℃	46
Chloride, Cl		140.85	<u>5000</u> 130	0-00-0-1	@	47.06
Sulfate, SO4 = Carbonate, CO3 =		-O-	-0-	CaSO4 Solub	ility @ <u>30 °</u> c @°c	13.86 me/l*
Bicarbonate, HCO3		1.30	79.3	 Max.CaSO4.F	Possible (calc.)	me/l* me/l*
Hydroxyl, OH	-	-()-	-0-		Possible (calc.)	me/l*
Sulfide, S [™]				www.ada-		
				 Residual Hyd	drocarbons	ppm(Vol/Vol)
TOTAL SOLIDS (QUANTIT	TATIVE)		11572.2	2		
REMARKS AND RECOMM					*NOTE: me/l	and mg/l are commonly
@30 C slight cor		end ency	is indicat	ed	used intercha respectively.	ingeably for epm and ppm Where epm and ppm are
@30 C calcium su	lfate sca	aling is	unlikely		used, correct specific gravi	tions should be made for ity,



BAKER OIL TREATING REPRESENTATIVE ADDRESS

Joe Lewis

ANALYZED BY:

WATER ANALYSIS REPORT

A STATE OF THE STA

TELEPHONE

RES:

OFF

Double "C	" Enterr	rises				ANALYSIS NUMBER 0315 DATE
					5/13/84	
FIELD				COUNTY OR PARISH		STATE
LEASE OR UNIT		WELL(S) NAM	E OR NO.	WATER SOURCE (FOR	RMATION)	
Skelton Oil Pro	duction	Water M	Montieth 1			
DEPTH, FT. BHT, OF	SAMPLE SO	DURCE	TEMP, OF	WATER BBL/DAY C	DIL, BBL/DAY	GAS, MMCF/DAY
DATE SAMPLED	TYPE OF V	VATER		<u> </u>		
	☐ PRO			☐ WATERFLOOD ☐ SALT WAT		WATER DISPOSAL
1000	_	JMBER BESIDE		S PATTERN DICATES me/I* SCALE		s a 1000
1000 Na+ 20 1	15 	10 <u>!</u>	5 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 20 cı - 1000
100 ca++	++++	++++	11111	44++++	+++++	нсо ₃ 1
100 Mg++	 	 	1	+++	+++++	so ₄ 1
						co ₃ 1
DISSOLVED SOLIDS				DISSOLVED	GASES	
CATIONS Total Hardness Calcium. Ca ++ Magnesium, Mg++ Iron (Total) Fe+++ Barium, Ba++ Sodium, Na+(calc.)	- - - -	me/l* 656 492 164 7.99 1457.62	mg/l* 9840 2000 .8 148.5	6 PHYSICAL PI 6 pH Specific Gravi	de, CO2 ROPERTIES	mg/l* 67.32 mg/l* mg/l*
ANIONS Chloride, CIT Sulfate, SO4 = Carbonate, CO3 = Bicarbonate, HCO3 = Hydroxyl, OH = Sulfide, S=	- - - - -	2112.68 8.33 -0- 0.60 -0-	75000 400 -0- 36.6 -0-	Stability Index	x @_30_°C @°C ty @_30_°C @°C ssible (calc.)	20802.6 fng/l* -1.74 -23.50 me/l*
	-			Residual Hydro	ocarbons	ppm(Vol/Vol)
TOTAL SOLIDS (QUANT	ITATIVE)		120951.	22		
REMARKS AND RECOMM @30 C severe cor @30 C calcium su	rrosive	tendency		ed	used intercha respectively.	and mg/I are commonly ngeably for epm and ppm Where epm and ppm are ions should be made for tv.

DISTRIBUTION

DATE

Double "C" Enterprises P.O. Box 147 Lovington, N.M. 88260

We have examined all available geologic data and all available engineering data and find no evidence of open faults or any other hydrolic connection between the disposal zone and any underground source of drinking water.

Roland E. Caudill
Partner, May 31, 1984

RANGE	36 E	RANGE 37E		
Te garo	MTS.	ARCO	ARCO State YATES	Amerada
Tesoro So. Petr. Co	Tesoro (Mts MTS	Exxon	W.A. Monceles {
FET BTA	ATS MTS	Ameriada Amerida	W.C. Blanks Mi Taylor (5)	STATE Amerada
	12	7	Yates '	H.E. YAtes Cheur
MACHO PA ENER	W.C. BLANKS	O.E. BEADING	*	
BASS Ent. COATES	BASS ENT.	1 /	Yates Bass Yafes A' MARZOIL	ATMPAZ A Punnzoil
Pomkoi! State	13	STATE 18 Ponnzoi L windmill po y Azrec St.	Sente 17	16
Surge	M.E. Vates H.T. Monfieth	Azres Monteth 30 Prinzell 1-85 L. G. RAW WILL (5)	3-C 2-C	Pennzoil
	Oli ac Yates	Gatty Oil montiety Crude (sphere) Vertes Service	Texas Crude T	Americal America
Skall Oli-c Olina.	Tenneeo MI 1-c H.T. Montleth W.A. Moncrieg Jr.	YAtes SKELTON YATES AL-B	Getty Pennz	oil Pennz
votchiet	SKELLY neth So. Auton Cit.	Tennees &	el pi-Br CAL-Mon	Enstar Ret.
Harkeh O. & G. Tenneco	Teameco 2.5 mobil	hapmanerief Jr. al Yates St. "	So Petro oi 29	28
mouchief Av		Tidewater st. 4 see	Getty Ganton shipp	5 hipp
	Getty (S.A.) Unit			

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