	· ·	
STATE OF NEW MEXICO		
ENERGY AND MINERALS DEPARTMENT	- Form C-104	
98. 65 (89-148 14((146)	Revised 10-01-78 Format 06-01-83	
	ATION DIVISION Page 1	
	BOX 2088	
	EW MEXICO 87501 RECEIVED	
LAND OFFICE		
REQUEST I	AND	
	AND NSPORT OIL AND NATURAL GAS JUL 06 '88	
· •		
Terra Resources, Inc.	O. C. D. ARTESIA, OFFICE	
Address	-	
10 Desta Dr., Suite 500 West, Midland, Texas		
Reason(s) for filing (Check proper box)	Other (Please explain)	
New Well Change in Transporter of:	Dry Gas	
Recompletion 01i X Change in Ownership Casinghead Gas	Condensate	
f change of ownership give name Apache Corp., 7666 E.	61st, 500 Triad Center, Tulsa, OK 74133	
address of previous owner	······································	
I. DESCRIPTION OF WELL AND LEASE		
	Exercise Kind of Lease Lac	-
Lease Name Well No. Pool Name, Includin		284
Mary K. Knobel 1 Carlsbad, S		28.0
Lease Name Well No. Pool Name, Includin Mary K. Knobel 1 Carlsbad, S Location 1000 South	- Morrow State, Federal or Fee Fee	
Mary K. Knobel 1 Carlsbad, S		•••
Lease Name Well No. Pool Name, Includin Mary K. Knobel 1 Carlsbad, S Location 1000 South	<u>Morrow</u> State, Federal or Fee Fee	•
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Line of Section 32 Township 22S	Morrow State, Federal or Fee Line and 1980 27E , NMPM, Eddy	•
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUJ	Morrow State, Federal or Fee Line and 1980 27E , NMPM, Eddy	Cou
Lease Name Well No. Pool Name, Includin Mary K. Knobel 1 Carlsbad, S Location Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUL Name of Authorized Transporter of Oil or Condensate	- MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E . NMPM, Eddy CAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUJ	- Morrow State, Federal or Fee Line and 1980 27E , NMPM, Eddy	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUI Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas S Transwestern Pipeline Co. Co. Condensate S	- MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E , NMPM, Eddy RAI GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, Houston, TX 77251	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUL Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas S Transwestern Pipeline Co. Twp. Rage	- MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E . NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, Houston, TX 77251 Is gas actually connected?	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUL Name of Authorized Transporter of Oil or Condensate X Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas (x) Transwestern Pipeline Co. If well produces oil or liquids, Unit Sec. Twp. Rge. If well produces oil or liquids, J 32 22S 2	- MOTTOW State, Federal or Fee Fee Line and	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUI Name of Authorized Transporter of OIL or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas S Transwestern Pipeline Co. 1 Sec. Twp. Rge. If well produces oil or liquids, Unit Sec. Twp. Rge.	- MOTTOW State, Federal or Fee Fee Line and	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUI Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas (s) Transwestern Pipeline Co. If well produces oil or liquids, Unit Sec. Twp. Rge. If well produces oil or liquids, J 32 22S 2 If this production is commingled with that from any other lease or point It that from any other lease or point	- MOTTOW State, Federal or Fee Fee Line and	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUI Name of Authorized Transporter of Oil or Condensate X Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas X Transwestern Pipeline Co. Twp. Rge. Twp. Rge. If well produces off or liquids. Unit Sec. Twp. Rge. If well produces off or liquids. J 32 22S 2 If this production is commingled with that from any other lease or point NOTE: Complete Parts IV and V on reverse side if necessary.	- MOTTOW State, Federal or Fee Fee Line and1980 Feet From TheEast 27E . NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, HOUSTON, TX 77251 Is gas actually connected? When 7E YES YES 1-26-76 Address	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUI Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas (s) Transwestern Pipeline Co. If well produces oil or liquids, Unit Sec. Twp. Rge. If well produces oil or liquids, J 32 22S 2 If this production is commingled with that from any other lease or point It that from any other lease or point	- MOTTOW State, Federal or Fee Fee Line and1980 Feet From TheEast 27E . NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1158, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, Houston, TX 77251 Is gas actually connected? When 7E YES 901, give commingling order number: 7-1	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUD Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas S Transwestern Pipeline Co. Twp. Rge. If well produces oil or liquids. Unit Sec. Twp. Rge. If well produces oil or liquids. J 32 22S 2 If this production is commingled with that from any other lease or point NOTE: Complete Parts IV and V on reverse side if necessary. VI. CERTIFICATE OF COMPLIANCE Lease of the Oil Conservation Division h Division h	- MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E . NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, Houston, TX 77251 Is gas actually connected? When 7E Yes Ves 1-26-76 fest OIL CONSERVATION DIVISION APPROVED JUL 11 1988 19	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUL Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas S Transwestern Pipeline Co. Twp. Rge. If well produces off or liquids. Unit Sec. Twp. Rge. If well produces off or liquids. J 32 22S 2 If this production is commingled with that from any other lease or per NOTE: Complete Parts IV and V on reverse side if necessary. VI. CERTIFICATE OF COMPLIANCE I hereby certify that the rules and regulations of the Oil Conservation Division here complied with and that the information given is true and complete to the best	- MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E NMPM, Eddy RAI GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1158, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, Houston, TX 77251 Is gas actually connected? VES 1-26-76 Ves 1-26-76 OIL CONSERVATION DIVISION ave OIL CONSERVATION DIVISION APPROVED JUL 11 1988 19	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUD Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas S Transwestern Pipeline Co. Twp. Rge. If well produces oil or liquids. Unit Sec. Twp. Rge. If well produces oil or liquids. J 32 22S 2 If this production is commingled with that from any other lease or point NOTE: Complete Parts IV and V on reverse side if necessary. VI. CERTIFICATE OF COMPLIANCE Lease of the Oil Conservation Division h Division h	- MOTTOW State, Federal or Fee Fee Line and1980 Feet From TheEast 27E . NMPM, Eddy RAL GAS Aidress (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, HOUSTON, TX 77251 Is gas actually connected? Ves 1-26-76 fest Ves 1-26-76 fest OIL CONSERVATION DIVISION avector OIL CONSERVATION DIVISION APPROVED	Cou n()
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUL Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas S Transwestern Pipeline Co. Twp. Rge. If well produces off or liquids. Unit Sec. Twp. Rge. If well produces off or liquids. J 32 22S 2 If this production is commingled with that from any other lease or per NOTE: Complete Parts IV and V on reverse side if necessary. VI. CERTIFICATE OF COMPLIANCE I hereby certify that the rules and regulations of the Oil Conservation Division here complied with and that the information given is true and complete to the best	- MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, Houston, TX 77251 Is gas actually connected? Ves 1-26-76 Percoved OIL CONSERVATION DIVISION APPROVED JUL 1 1 1988 BY Original Signed By Mike Williams TITLE Oil & Gas Inspector	Cour ent) int) <u>ID</u> <u>5</u> -
Lease Name Well No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUL Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas S Transwestern Pipeline Co. Twp. Rge. If well produces off or liquids. Unit Sec. Twp. Rge. If well produces off or liquids. J 32 22S 2 If this production is commingled with that from any other lease or per NOTE: Complete Parts IV and V on reverse side if necessary. VI. CERTIFICATE OF COMPLIANCE I hereby certify that the rules and regulations of the Oil Conservation Division here complied with and that the information given is true and complete to the best	- MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, HOUSTON, TX 77251 Is gas actually connected? Ves 1-26-76 fest Ves 1-26-76 fest OIL CONSERVATION DIVISION avector OIL CONSERVATION DIVISION APPROVED JUL 1 1 1988 BY Original Signed By Mike Williams TITLE Oil & Gas Inspector This form is to be filed in compliance with RULE 1104	<u>Cou</u> (n() () () () () () () () () () () () () (
Lease Name Weil No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location Unit Letter	- MOTTOW State, Federal or Fee Fee Line and	Cour n() ID 5-
Lease Name Weil No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range HI. DESIGNATION OF TRANSPORTER OF OIL AND NATUL Name of Authorized Transporter of Oil or Condensate X Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas X Sec. Twp. 'Rge. If well produces oil or liquids. Unit Sec. Twp. 'Rge. If well produces oil or liquids. If well produces oil or liquids. J 32 22S : 2 If this production is commingled with that from any other lease or point. NoTE: Complete Parts IV and V on reverse side if necessary. VI. CERTIFICATE OF COMPLIANCE Interby certify that the rules and regulations of the Oil Conservation Division here complied with and that the information given is true and complete to the bes my knowledge and belief. Market Image: Nordel Authorized Transporter is true and complete to the bes my knowledge and belief.	a - MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, HOUSTON, TX 77251 Is gas actually connected? Ves 1-26-76 forf ref Yes OIL CONSERVATION DIVISION avec OIL CONSERVATION DIVISION BY Original Signed By Mike Williams TITLE Oil & Gas Inspector This form is to be filed in compliance with RULE 1104 If this is a request for allowable for a newly drilled or constant with RULE 111. All sections of this form must be filied out completely for	Cou int) ID 5- af
Lease Name Weil No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range III. DESIGNATION OF TRANSPORTER OF OIL AND NATUL Name of Authorized Transporter of Oil or Condensate S Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas S Transwestern Pipeline Co. Twp. Regarding to the second	a - MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E , NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, Houston, TX 77251 1s gas actually connected? When 7E YES U 1-26-76 Ves 1-26-76 OIL CONSERVATION DIVISION avec APPROVED BY Original Signed By Mike Williams TITLE Oil & Gas Inspector This form is to be filed in compliance with RULE 1104 If this is a request for allowable for a newly drilled or completely for a new and recompleted wells.	Court ant) ID 5- af
Lease Name Weil No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location 1 Carlsbad, S Unit Letter J 1980 Feet From The South Line of Section 32 Township 22S Range HI. DESIGNATION OF TRANSPORTER OF OIL AND NATUL Name of Authorized Transporter of Oil or Condensate X Koch Services, Inc. Name of Authorized Transporter of Casinghead Gas or Dry Gas X Sec. Twp. 'Rge. If well produces oil or liquids. Unit Sec. Twp. 'Rge. If well produces oil or liquids. If well produces oil or liquids. J 32 22S : 2 If this production is commingled with that from any other lease or point. NoTE: Complete Parts IV and V on reverse side if necessary. VI. CERTIFICATE OF COMPLIANCE Interby certify that the rules and regulations of the Oil Conservation Division here complied with and that the information given is true and complete to the bes my knowledge and belief. Market Image: Nordel Authorized Transporter is true and complete to the bes my knowledge and belief.	a MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E , NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be see P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be see P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be see P.O. Box 1188, HOUSTON, TX 77251 Is gas actually connected? Ves 1-26-76 Ves 111 Is gas actually connected? When Ves Mike Williams TITLE Oil & Gas Inspectof This form must be acc	Court ant) ID 5- af cort cort cort cort cort cort cort cort
Lease Name Weil No. Pool Name, Including Mary K. Knobel 1 Carlsbad, S Location Unit Letter	a - MOTTOW State, Federal or Fee Fee Line and 1980 Feet From The East 27E NMPM, Eddy RAL GAS Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1558, Breckinridge, TX 76024 Address (Give address to which approved copy of this form is to be se P.O. Box 1188, HOUSTON, TX 77251 Is gas actually connected? When 7E YES Yes 1-26-76 for OIL CONSERVATION DIVISION ave OIL CONSERVATION DIVISION ave Original Signed By Mike Williams TITLE Oil & Gas Inspector This form is to be filed in compliance with RULE 1104 If this is a request for allowable for a newly drilled or cwell, this form must be accompanied by a tabulation of the ctests taken on the well in accordance with RULE 111. Ali sections of this form must be filled out completely for able on new and recompleted wells.	ID 5- 10 5- 10 5- 10 10 10 10 10 10 10 10 10 10

Form C-104 Revised 10-01-78 Format 06-01-83 Page 2

IV. COMPLETION DATA

Designate Type of Completio	on — (X)	OII Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Restv. Diff. Restv.
Date Spudded	Date Comp	l. Ready to Pi	rod.	Total Dept	1 1	_i	P.B.T.D.	······
Elevations (DF, RKB, RT. GR, etc.)	Das (DF, RKB, RT. GR, etc.; Name of Producing Formation		Top Oll/Gas Pay			Tubing Depth		
Perforations	<u> </u>			<u></u>			Depth Casi	ng Shoe
		TUBING, O	CASING, AN	D CEMENTI	NG RECOR	 D		
HOLE SIZE	CASI	NG & TUBI			DEPTH SE		S/	CKS CEMENT
				·				
			<u>-</u>			· · · · ·		

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allow-OIL WELL able for this depth or be for full 24 houre)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)		
Length of Test	Tubing Pressure	Casing Pressure	Choke Size	
Actual Prod. During Test	Oil-Bbie.	Water - Bbls.	Gas - MCF	

GAS WELL

Actual Prod. Test-MCF/D	Length of Test Bbls. Condensate/MMCF Gravity of Conde				
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)			_	
	, must blessma (sundarra)	Casing Pressure (Shut-in)	Choke Size		
(

R.

JUL NOSES