



580 WestLake Park Blvd. Houston, TX 77079 PO Box 4294 Houston, TX 77210-4294 Phone: 281-552-1000

. 26

June 22, 2000

State of New Mexico Energy, Minerals & Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, NM 87505

RE: Expansion of Pressure Maintenance Project North Hobbs (Grayburg/San Andres) Unit Hobbs; Grayburg – San Andres Pool Well No. 121 Lot 2, Section 30, T-18-S, R-38-E Lea County, NM

### Gentlemen:

Occidental Permian Limited Partnership respectfully requests administrative approval for expansion of the subject pressure maintenance project by converting North Hobbs (G/SA) Unit Well No. 121 from production to water injection. Administrative Order No. R-6199 granted November 30, 1979, authorized Shell Western E&P Inc. (Occidental Permian Limited Partnership's predecessor) to conduct the North Hobbs (G/SA) Unit pressure maintenance project within the Hobbs: Grayburg – San Andres Pool.

The following data is submitted in support of this request:

- Form C-108 with miscellaneous data attached
- Form C-102
- A map reflecting the location of the proposed injection well (No. 121). The map
  identifies all wells located within a two-mile radius of the proposed injector and
  has a one-half mile radius circle drawn around the proposed injection well which
  identifies the well's Area of Review.
- An injection well data sheet
- A tabulation of data on all wells of public record within the well's Area of Review



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- Schematics of plugged wells of public record within the well's Area of Review
- A list of Offset Operators and Surface Owners (these parties have been notified of this application by certified mail)
- An Affidavit of Publication and copy of the legal advertisement that was published in the county in which the well is located.

Your favorable consideration of our request will be appreciated. If you have any questions of a technical nature, please call David Nelson at (505) 397-8211. Otherwise, please call me at (281) 552-1158.

Very truly yours,

Mark Stephens

Mark Stephens Business Analyst (SG)

CC: Oil Conservation Division Hobbs District Office 1625 N. French Drive Hobbs, NM 88240

> State of New Mexico Commissioner of Public Lands P.O. Box 1148 Santa Fe, NM 87504-1148

Offset Operators (see attached list)

Surface Owners (see attached list)

F NEW MEXICO
FINERCY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

### OIL CONSERVATION DIVISION 2040 SOUTH PACHECO SANTA FE, NEW MEXICO 87505

FORM C-108 Revised 4-1-98

### APPLICATION FOR AUTHORIZATION TO INJECT

₩I.	PURPOSE: Secondary Recovery X Pressure Maintenance Disposal Storage Application qualifies for administrative approval? X Yes No
υ II.	OPERATOR: Occidental Permian Limited Partnership
	ADDRESS: P.O. Box 4294, Houston, TX 77210-4294
	CONTACT PARTY: Mark Stephens, Rm. 338-B, WL2 PHONE: (281) 552-1158
۳ 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.
ν <b>IV</b> .	Is this an expansion of an existing project? X Yes If yes, give the Division order number authorizing the project:    No   R-6199 (11/30/79)
√ <b>v</b> .	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:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>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.).</li> </ol>
> *VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources known to be immediately underlying the injection interval.
· IX.	Describe the proposed stimulation program, if any.
*X.	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 sources 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:Mark StephensTITLE:Business Analyst (SG)
	SIGNATURE:
*	If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: Hearing October 3, 1979; Case No. 6653, Order No. R-6199
DIST	RIBUTION: Original and one copy to Santa Fe with one copy to the appropriate 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:
  - (1) 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 the 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, 2040 South Pacheco, Santa Fe, New Mexico 87505, 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.

### Attachment To Form C-108 Miscellaneous Data

North Hobbs (Grayburg/San Andres) Unit Well No. 121 Lot 2, Section 30, T-18-S, R-38-E Lea County, New Mexico

### III. Well Data

B.(5) Next higher oil zone -- Grayburg @ +/- 3700' Next lower oil zone -- Glorieta @ +/- 5300'

### VII. Proposed Operation

- Average Injection Rate
   Maximum Injection Rate
   4000 BWPD
- 2. Closed Injection System
- 3. Average Injection Pressure 500 PSIG

  Maximum Injection Pressure 805 PSIG (approx.)

  (will not exceed 0.2 psi/ft. to top perforation)
- 4. Source Water San Andres Produced Water (Mitchell Analytical Laboratory analysis attached)

### IX. Stimulation Program

Acid treatment of unitized perforations will be performed during conversion work

- XI. Fresh Water Sample Analysis
  (Laboratory Services, Inc. analysis attached 2 ea.)
- XII. Occidental Permian Limited Partnership affirms that available geologic and engineering data has been examined resulting in the finding of no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

### MITCHELL ANALYTICAL LABORATORY

2638 Faudree Odessa, Texas 79765-8538 561-5579

### Water Analysis

Company Nalco/Exxon Well # WIS DISCHARG Lease ALTURA NHU Location Date Run 11/08/1999 Lab Ref # 99-NOV-N0512	E PUMP	emicals	Sample Temp Date Sampled Sampled by Employee # Analyzed by	11/05/1999 Mike Athey 27-008	
	Di	ssolved Gasses	5		
Hydrogen Sulfide Carbon Dioxide Dissovled Oxygen	(H2S) (CO2) (O2)	Not Analyzed Not Analyzed	Mg/L 486.00	Eq. Wt. 16.00	MEq/L 30.38
		Cations			
Calcium Magnesium Sodium Barium Manganese	(Ca++) (Mg++) (Na+) (Ba++) (Mn++)	Not Analyzed Not Analyzed	804.00 195.20 3,459.66	12.20	40.00 16.00 150.42
		Anions			
Hydroxyl Carbonate Bicarbonate Sulfate Chloride	(OH-) (CO3=) (HCO3-) (SO4=) (Cl-)	Not Analyzed	0.00 1,869.66 1,700.00 5,005.50	61.10 48.80	0.00 30.60 34.84 141.00
Total Iron Total Dissolved Sol Total Hardness As ( Conductivity MICRON	CaCO3		0.30 13,520.32 2,810.32 23,500	18.60	0.02
pH 6.500	Sp	ecific Gravity	y 60/60 F.	1.009	
CaSO4 Solubility @	80 F.	46.63 MEq/L,	CaSO4 scale	is unlikely	
CaCO3ScaleIndex70.00.19080.00.31090.00.530100.00.530110.00.790120.00.790130.01.090140.01.090150.01.370					

### Nalco/Exxon Energy Chemicals

### S S

### Laboratory Services, Inc.

4016 Fiesta Drive Hobbs, New Mexico 88240 Telephone: (505) 397-3713

### Water Analysis

COMPANY	Altura Energy Ltd,
SAMPLE SAMPLED BY	Fresh Water Well For Well 30-121
DATE TAKEN REMARKS	5/10/00 T18S-R38E-Sec.30, Qtr Sec. 1,2.3
Barium as Ba Carbonate alkalin Bicarbonate alkalin PH at Lab Specific Gravity © Magnesium as M Total Hardness a Chlorides as Cl Sulfate as SO4 Iron as Fe Potassium Hydrogen Sulfide Rw Total Dissolved S Calcium as Ca	inity PPM 224 7.4 9 60°F 1.001 9 167 s CaCO3 288 76 110 0 0.08
Nitrate	10.6
Results reported as F	Parts per Million unless stated

Analysis by: Rolland Perry
Date: 5/14/00

### L S

### Laboratory Services, Inc.

4016 Fiesta Drive Hobbs, New Mexico 88240 Telephone: (505) 397-3713

### Water Analysis

COMPANY	Altura Energy Ltd,
SAMPLE SAMPLED BY	Fresh Water Well For Well 30-121
DATE TAKEN REMARKS	5/10/00 T18S-R38E-Sec 30, Qtr Sec 1,4,2
Barium as Ba Carbonate alkalin Bicarbonate alkalin PH at Lab Specific Gravity © Magnesium as M Total Hardness a Chlorides as Cl Sulfate as SO4 Iron as Fe Potassium Hydrogen Sulfide Rw Total Dissolved S Calcium as Ca Nitrate	inity PPM 184 7.42 9 60°F 1.001 9 128 s CaCO3 220 42 75 0 0.08 9 0.12.1 23.0 C Solids 544 92
	Parts per Million unless stated tion Index - 0.33

Analysis by: Rolland Perry
Date: 5/14/00

-DISTRICT I P.C. Box 1980, Hobbs, NM 88241-1980

### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Conjes

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artemia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87504-2088

### OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name			
30+025-07464	31920	HOBBS, GRAYBURG -	G - SAN ANDRES		
Property Code 19520	Property Name  NORTH HOBBS G/SA UNIT				
OGRID No.	Operator	Name	121 Elevation		
157984	Occidental Permian L		365		

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 2	30	18 S	38 E		2310	NORTH	327	WEST	LEA

### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	nsolidation	Code Or	der No.	1			<u> </u>

### NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OK A NON-STANDARD UNIT HAS BEEN AFFROVED BY	
LOT 1		OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
0 EN 37.81 ACRES		Mark Stephens  Printed Name Business Analyst (SG)
327' 37.85 ACRES		June 22, 2000  Date  SURVEYOR CERTIFICATION
		I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief.
37.87 ACRES		APRIL 6, 2000  Date Surveyed  Signature & Seal of Professional Surveyor  April 6, 2000  DC  Signature & Seal of Professional Surveyor  April 6, 2000  DC  1 - 0433
37.91 ACRES		Certificate No. RONALD E EIDSON 3239 GARY EIDSON 12641 MACON McDONALD 12185

DISTRICT [ P.O. Box 1980, Hobbs, NM 88241-1980

### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87504-2088 Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name	AN ANDRES
30+025-07464	31920	HOBBS, GRAYBURG — SA	
Property Code 19520	Prop NORTH HOB	Well Number	
OGRID No.	•	ator Name	Elevation
157984		1 Limited Partnership	3659

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 2	30	18 S	38 E		2310	NORTH	327	WEST	LEA

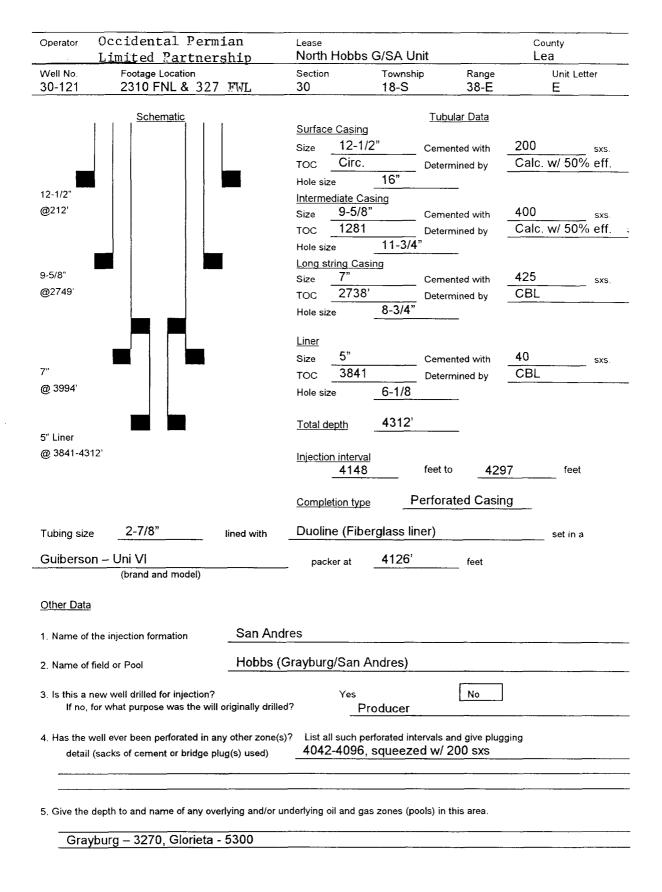
### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acre	s Joint o	r Infill Con	nsolidation	Code Or	ler No.				

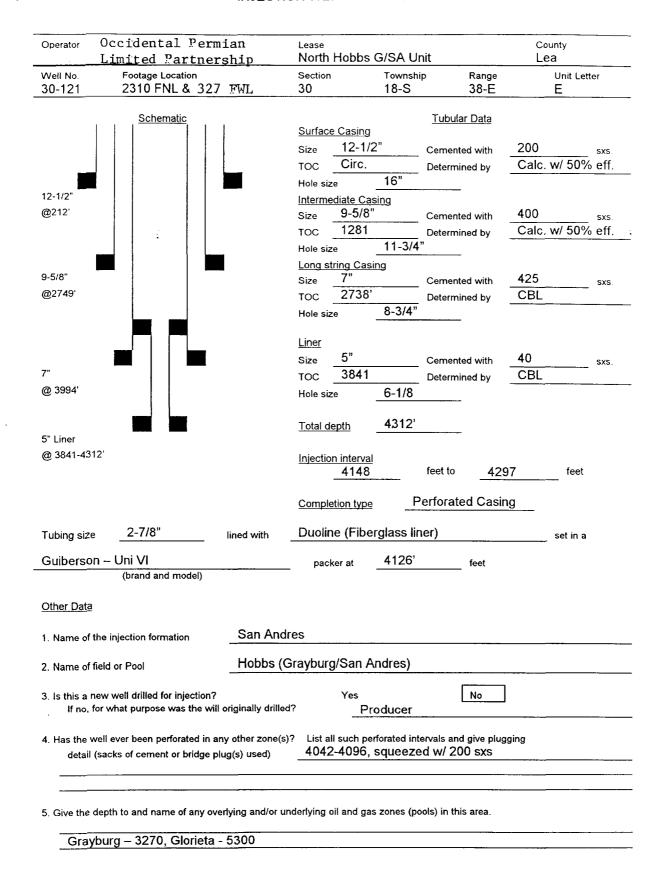
### NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

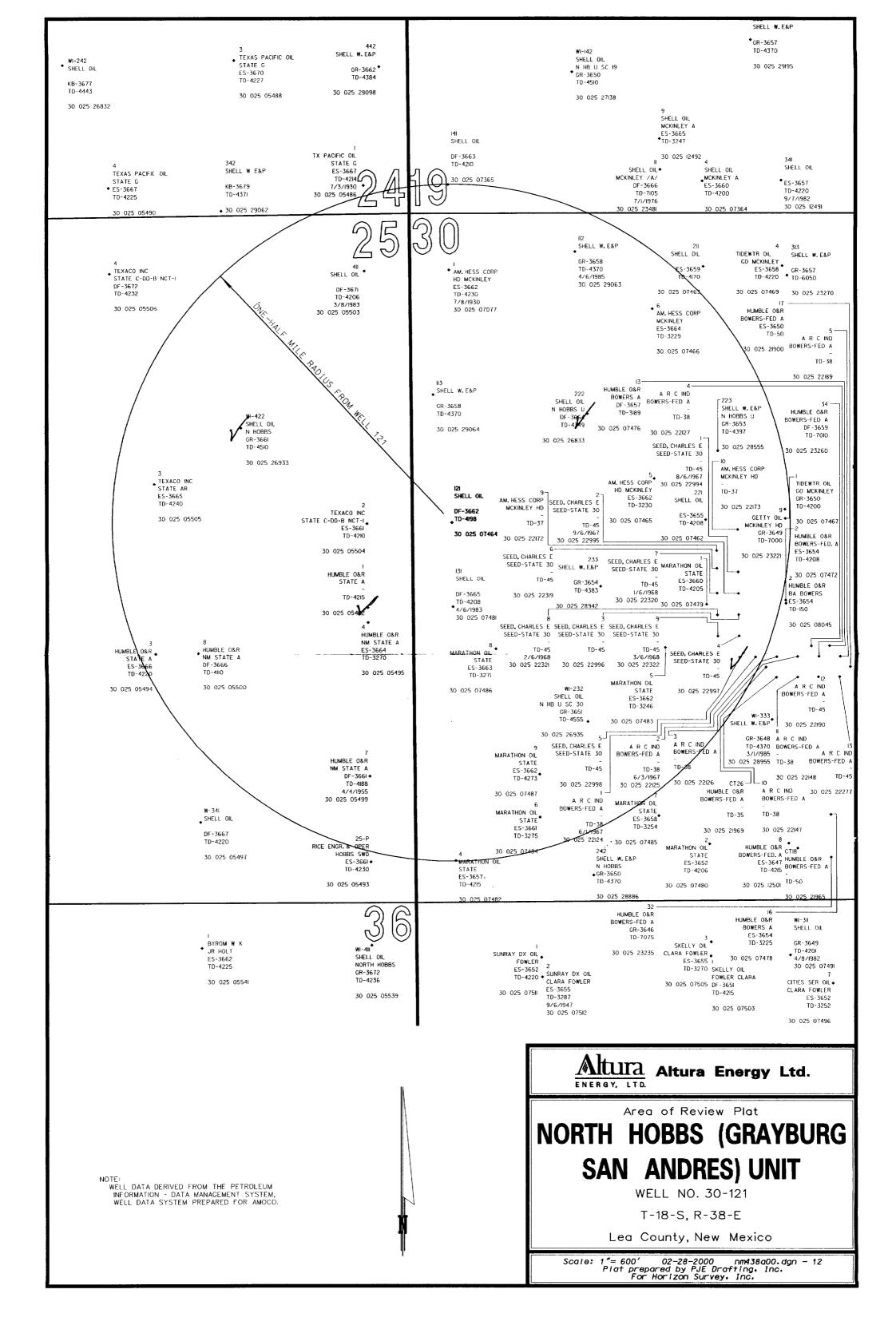
LOT 1	OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
0	Mark Stephens  Printed Name Business Analyst (SG)
37.85 ACRES	June 22, 2000  Date  SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief.  APRIL 6, 2000
37.87 ACRES	Date Surveyed DC Signature & Seal So Professional Surveyor  1 - 025
37.91 ACRES	Centificate No. Royato F EIDSON 3239  ORCFES AST EFFSON 12841  ORCFES AST EFFSON 12185

### INJECTION WELL DATA SHEET



### INJECTION WELL DATA SHEET





EOP WEI 1 30121																
Well Name	API No.	Sec.	-	œ	5	Drill	Well	TD or	Тор	Bot.	Sqz.	Csg.	Hole		No. of	
Operator					ŧ		Type	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	100
HD McKinley #9	30-025- 23221	30	30 -188	-38E	ပ	69//8	TA	6961	5761	6965		13.375	17.5	378	400	CIRC**
Getty Texaco								CIBP				9.625	12.25	3851	1748	CIRC**
i					-		-					7	8.75	6669	650	1933**
St #5	30-025- 07483	30	-18S	-38E	¥	2//48	۵	3246	3194	3244		8.625	7	300	125	CIRC**
Marathon					1							5.5	7	3160	1350	CIRC**
St #6	30-025- 07484	30	30 -18S	-38E	Σ	3//48	Ь	3210	3154	3200		8.625	11	295	125	CIRC**
Marathon												5.5	7	3197	006	CIRC**
					-							100		L	ı	0
St #8	30-025- 07486	30	30 -185	-38E	_	4//48	a.	3180	3223	3271		8.625	=	232	125	C RC
Marathon									공			5.5	7	3173	006	CIRC
1# Oc + 3 D #1	30 025 22004	Ş	30 180	385	7	2//60	Δ	Å	10-45 OH			7	35	10	2	CIRC**
C E Cood	10000	3		1	+-	3	+	2								
O.F. 3660																
Seed St 30 #2	30-025- 22995	30	30 -185	-38E	¥	69//2	م	45	10-45 OH			7	8.5	10	2	CIRC**
C.E. Seed																
					$\dashv$											
Seed St 30 #3	30-025- 22996	9	30 -18S	-38E	ㅗ	69//2	<b>a</b>	54	10-45 OH			7	8.5	10	2	CIRC**
C.E. Seed																
					-			!	!			-	L		c	***
Seed St 30 #4	30-025- 22997	္က	30 -18S	-38E	¥	5//69	۵	55	10-45 OH			7	8.5	10	2	CIRC
C.E. Seed																
Sped St 30 #5	30-025- 22998	30	30 -185	-38F	*	69//2		45	10-45 OH			7	8.5	10	2	CIRC**
C.E. Seed																
Seed St 30 #6	30-025- 22319	30	30 -18S	-38E	¥	5//69	Ъ.	45	10-45 OH			7	8.5	10	2	CIRC**
C.E. Seed							-									
Seed St 30 #7	30-025- 22320	30	30 -185	-38F	×	2//69	<b>a</b> .	54	10-45 OH			7	8.5	10	2	CIRC**
C.E. Seed					+											
Seed St 30 #8	30-025- 22321	9	30 -18S	-38E	エ	69//2	<b>L</b>	5	10-45 OH			7	8.5	10	2	CIRC**
C.E. Seed						+										
Seed St 30 #9	30-025- 22322	98	-185	-38E	소	5//69	٩	54	10-45 OH			7	8.5	10	2	CIRC**
C.E. Seed																

### \*\* - Denotes calculated TOC with 50% efficiency.

FOR WELL 30121																
Well Name	API No.	Sec.	<b>-</b>	œ	'n	Drill	Well	TD or	Тор	Bot.	Sqz.	Csg.	Hole		No. of	
Operator					ŧ	Date	Туре	РВТО	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	TOC
		ļ: -														
25321	30-025- 05505	25	25 -18S	-37E	ი _	12//30	۵	4113	3961	4239	NONE	12.5	16	222	200	CIRC
Altura		_						PBTD				o	11.75	2750	009	1000
The second secon												7	8.5	3937	200	3050
												4.5	6.25	3809-4267	75	3803
25331	30-025- 05500	25	25 -185	-37E	ر 2	2//58	S	4108	3932	4052	NONE	8.625	1	365	200	CIRC
Altura								PBTD				5.5	7.875	4110	1500	1570-CBL
25/11	30.025.05503	, AC	25 -18C	-37E	٥	4//30	۵	4106	3050	4244	I N	8.25	11 75	2750	900	1362
Affura		i		1		8	T	(CIBP)		!		6.25	7.625	3969	200	2926 CBL
												4.5 Lnr	5.75	3869-4257	20	4188
75.404	700 00	100	0	L 00				00.7	4054	4060	1207	101	97	CC	175	Calc
17507	30-029-02004	S	201-02	-201	ב ב	00//	L	2 5	1004	#C03	5	6.7	0 74	0270	2 8	2 6
Altura								PBID				1 00	د/۱۲.	2763	000	1010
							-					, ,	0.0	3932	700	7870
		-										0.0	0.0.7	2028-4183	3	3023
25422	30-025- 26933	55	25 -18S	-37E	I	12//81	-	4378	4184	4294	4170-74	16	18	9	4	CIRC
Altura					+							8.625	=	1600	850	CIRC
												5.5	7.875	4510	1000	3760 CBL
25431	30-025- 05492	25	25 -18S	-37E	-	10//30	-	4045	4010	4038	3977-4010	12.5	8.	212	250	CIRC
Altura								PBTD			4039-4059	9.625	12	2736	650	CIRC
												7	8.75	3960	300	1987**
25441	30-025- 05499	25	-185	-37E	٦ 4	4//55	S	4188	4024	4137	NONE	8.625	11	331	225	CIRC
Altura												5.5	6.75	4175	1450	CIRC
30111	30-025- 07077	30	30 -185	-38F	C	6//30	<u>0</u>	4245	4042	4070	4081-4092	12.5	16	234	250	CIRC**
Altura		-						PBTD	!!			9.625	11.75	2755	450	534**
												7	8.75	3851	200	3141**
30112	30 025 20063	5	30 180	T S C	c	3//85	<b>∀</b>	4000	4034	7367		13 375		40		
30112	30-023- 23000	3		100	+	201/0	5	3	1001	1407		10.01		7		

### \*\* - Denotes calculated TOC with 50% efficiency.

FOR WELL 30121																
Well Name	APINo	Sec	F	œ	5		Ne	TD or	Тор	Bot.	Sqz.	Csg.	Hole		No. of	
Operator					Ė		├┈	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	TOC
Altura		_			<b>Ļ</b>	╁	<b>!</b>	CIBP				9.625		1520	250	Circ
												7		4369	675	Circ
00440	20.00	6	30 100	200	-	1//85	۵	1340	4042	4285		13.375	17.5	55	77	Cjrc
30113 Altira	20-027- 23004	3		100	+	2		CIBP	41.01	201		8.625		1495	620	Circ
												5.5	7.875	4370	066	Circ
70,00	00.00	c	700	100	-	00//01	٥	4256	4082	07.07	4006-70	9 625	11 75	2751	550	733
Altıra	20-027-07	3		100	+	3		CIBP	7002	2	4116-40	7	8.75	3900	350	1783
											4182-4200	S	6.25	4207	20	3770 CBL
30141	30-025-07487	8	30 -185	-37E	Σ	10//55	4	3956	4099	4114	4007-4074	10.75	13.75	354	200	CIRC
Altura							+	CIBP			4084-4090	5.5	8.75	4247	1400	CIRC
				i		0017		0107	0107	70007		3030	11 75	2750	F35	787
30221	30-025-07462	₹	30 -183	ب ا	L.	06//4	_	4273	4017	4200-13 OH	4023-25	3.063	8.25	3852	250	1500 CBL
Allura		-				İ				5	4081-4104	4.5 Lnr	6.25	3799-4207	125	3799
					+ 1				74		4120-28					
30000	30 025 26833	6	30 180	TAS.	ц	10//80	-	4290	4123	4302	3718	16	20	40	9	Surf
Altıra	070.00	3		1	╁			CIBP			4322-29	8.625	12.25	1570	950	Surf
												5.5	7.875	4349	800	2608 CBL
20031	30.025 07.470		30 180	38	Z Z	2//30	Ţ.	4015	4119	4256	943-955	20	22	215	75	67
Alfrira	0 -070-00	3		3	T	3	+				4166-4190	9.625	12.25	2750	400	1589
		-										7	8.75	3930	550	604
									4,000			5	6.25	4200	09	3193-CBL
30232	30-025- 26935	30	30 -18S	-38E	×	12//80	-	4519	4138	4310	4170-78	16	18	40	40	CIRC
Altura					$\vdash$						4186-94	8.625	11	1600	875	CIRC
												5.5	7.875	4555	1155	2614 CBL
30233	30-025- 28942	30	30 -185	-38E	×	2//85	<u> </u>	4210	4148	4240		13.375		55		
Altura		-										8.625		1507	620	Circ
					-							5.5		4383	1070	Circ
												2.375		4060		
30321	30-025- 07467	30	30 -18S	-38E	O	7//30	О.	4257	4130	4196	4030-60	9.625	11.75	2755	909	553
			1													

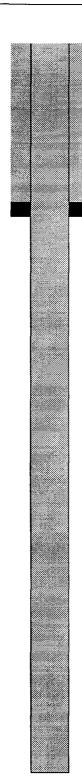
FOR WELL 30121			-													
Well Name	API No.	Sec.	-	۳	5	Dilli	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole		No. of	
Operator		-			눌	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	TOC
Alfura		-										7	8.75	3854	250	2342
												5	7	4200	405	Circ/CBL
30331	30-025- 22125		30 -185	-38E	7	9//30	۵	4225	4014	4225	4068-4072	12.5	8	242	225	CIRC
Altura		-						PBTD			4074-4092	9.625	12	2750	650	CIRC
												7	8.75	3960	300	CIRC
		-										5.5	7.875	4238	30	3650
Bowers Fed. A #1	30-025- 22124		30 -18S	-38E	7	29//9	ЬА	42	10-38 OH			6.625	6.75	10	3	CIRC**
ARC Ind.																
TO McKinjev #5	30-025- 07465		30 -185	-38F	L	3//47	ΡΑ	3230	3197	3206		7.625	9.875	432	200	CIRC**
Amerada												5.5	6.75	3130	009	CIRC**
						!	i	0000	1,70	CCCC	Liad	7 675	0.075	446	000	Jaio
HD McKinley #6	30-025- 07466	-	30 -18S	-38E	ပ	3//4/	₹	3229	3145	3773	NONE	1.023	9.073	2	202	
Amerada												5.5	6.75	3145	625	CIRC
Mokinlay #10	30-025- 22173	-	30 -185	-38F	ш	29//9	PA	37	10-37 OH		NONE	5.5	6.75	10	1YD	No data
Amerada	070-00	-	2	3	-											
HD McKinley #9	30-025- 22172	-	30 -18S	-38E	LL	29//9	PA.	37	10-37 OH			5.5	6.75	10	1 YD	No data
Amerada															REDIMIX	
NM State A #3	30-025- 05494	-	25 -185	-37E	7	11//30	PA A	4000	4150	4220	NONE	12.5	18	207	250	CIRC
Humble		+						CMT				9.625	12	2823	650	CIRC
												7	8.75	4100	350	2012**
NM State A #4	30-025- 05495	+	25 -18S	-37E	-	8//48	ΑĀ	3270	3162	3270	NONE	8.625	11	252	150	CIRC
Humble		+										5.5	7.875	3188	1325	CIRC
St #4	30-025- 07482	+-	30 -185	-38E	Σ	11//30	PA	4215	3758	3850		16	18	260	225	CIRC**
Marathon												9.625	12	2750	200	589**

<b>FOR WELL 30121</b>					-											
Well Name	API No.	Sec.	<b>-</b>	œ	5	Drill O	Well	TD or	Тор	Bot.	Sqz.	Csg.	Hole		No. of	
Operator					Ė	Date	Type PBTD	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs	TOC
					-							7	8.75	3946	350	1307**

### WELL SCHEMATIC: ARC IND BOWERS A FED #1

WELL PLUGGED: 8/19/98

6 5/8" 10' 3 SX TOC: NA



Csg was pulled out of hole. Well was filled to the surface With approximately .75 yards Of 5 sx Redi-Mix.

:

TD: 42'

### WELL SCHEMATIC: AMERADA H.D. MCKINLEY #5

WELL PLUGGED: 5/19/93 7 5/8" 432' 200 SX TOC: CIRC

Spotted 25 sx cmt plug from 250' to surface.

Displaced hole with 75 bbls Of 9 1/2 # mud.

Spotted 25 sx cmt plug from 1850' to 1600'.

Spotted 25 sx cmt plug from 3050' to 2800'.

Set CIBP at 3050'.

TD: 3230'

5 ½" 3130'

600 SX TOC: 2992'

### WELL SCHEMATIC: AMERADA H.D. MCKINLEY # 6

WELL PLUGGED: 5/17/93

7 5/8" 416' 200 SX TOC: CIRC Spotted 25 sx cmt plug from 250' to surface.

Displaced hole with 70 bbls Of 9 ½ # mud.

5 ½" 3145' 625 SX TOC: 20' TS

Spotted 25 sx cmt plug from 1850' to 1600'.

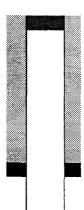
TD: 3229'

Spotted 25 sx cmt plug from 3100' to 2850'. Set CIBP at 3100'.

### WELL SCHEMATIC: AMERADA MCKINLEY #10

WELL PLUGGED: 8/14/82

5 ½" 10' 1 yd. Redi-Mix



The pump was pulled from The well and steel plates Were welded on top of the Well.

TD: 37'

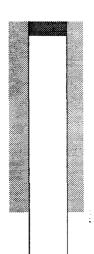
### WELL SCHEMATIC: AMERADA MCKINLEY #9

WELL PLUGGED: 8/14/82

5 ½" 10'

1 YD REDI-MIX

TOC: NA



The pump was pulled from Well and steel plates were Welded on top of well.

TD: 37'

State "A" #3 Humble Oil Unit J, 1980 FSL & 1980 FEL Sec 25, T-18-S, R-37-E

P&A'd: 3/18/47 DATUM:

Size: 12-1/2" Weight: 50# Depth: 207' Hole Size: Cmt: 250 sxs TOC:

Pulled 1000' feet of 9-5/8" csg.

Size: 9-5/8" Weight: 36# Depth: 2823' Hole Size: Cmt: 650 sxs TOC:

Pulled 1000' of 7" casing

Size: 7" Weight: 26# Depth: 4100' Hole Size: Cmt: 350 sxs TOC:

25 sxs cmt plug at surface

25 sxs cmt plug, 160-190'

50 sxs cement plug, 800-1000'

100 sxs cmt plug, 4000-4200'

TD: 4220'

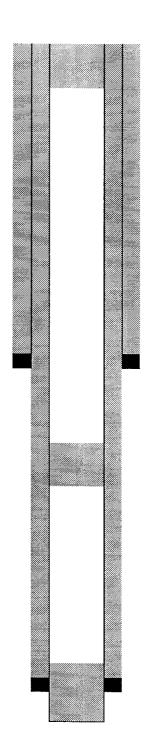
### State A #4 Humble Oil Unit I, 330 FEL & 1870 FWL Sec 25, T-18-S, R-37-E

P&A'd: 8/22/48 DATUM:

Size: 8-5/8" Weight: 28.5# Depth: 262' Hole Size: 9-7/8" Cmt: 300 sxs

TOC:

Size: 5-1/2" Weight: 14# Depth: 3188' Hole Size: 7-3/4" Cmt: 1000 sxs TOC: Circ.



25 sxs cement plug, 0-100'

40 sxs cement plug, 1500-1800'

15 sxs cmt plug

TD: 3270'

### WELL SCHEMATIC: MARATHON STATE #4

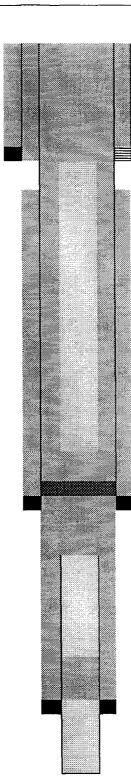
WELL PLUGGED: 3/14/57

16" 260' 225 SX TOC: SURF (C)

9 5/8" 2750' 500 SX TOC: NA

7" 3946' 350 SX TOC: NA

TD: 4215'



Perfd 9 5/8" csg at 255'. Circ 300 sx cmt to surf 9 5/8" x 16" csg annulus leaving 255' Cmt plug in top of 9 5/8" csg And 16" surf pipe.

Hole loaded with gel based Mud.

Spotted 125' cmt plug from 2703' to 2578'.
Set cast iron cmt ret in 9 5/8"
Csg at 2703' and sqzd 50 sx
Cmt below cmt ret.

Cut 7" csg at 3060' and Pulled same.

Spotted 312' cmt plug from 3602' to 3914'.

### LIST OF OFFSET OPERATORS & SURFACE OWNERS

North Hobbs (Grayburg/San Andres) Unit Well No. 121 Lot 2, Section 30, T-18-S, R-38-E Lea County, New Mexico

### Offset Operators

Occidental Permian Limited Partnership P.O. Box 4294 Houston, TX 77210-4294

Marathon Oil Company P.O. Box 552 Midland, TX 79702-0552

Charles E. Seed Houston Ranch Lovington Hwy. Hobbs, NM 88240

Texaco E&P Inc. P.O. Box 3900 Midland, TX 79702

Surface Owners

James K. & Donna Fay Henson 2020 Matts Dr. Hobbs, NM 88240

on the reverse side?	SENDER:  Complete items 1 and/or 2 for additional services.  Complete items 3, 4a, and 4b.  Print your name and address on the reverse of this form so that we card to you.  Attach this form to the front of the mailpiece, or on the back if space permit.  Write "Return Receipt Requested" on the mailpiece below the article  The Return Receipt will show to whom the article was delivered and delivered.	e does not	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.
LADDRESS completed	3. Article Addressed to:  Charles E. Seed Houston Ranch Lovington Hwy. Hobbs, NM 88240	4b. Service	Type ed   Mail  Insured ceipt for Merchandise  COD
s your BETURN	5. Received By: (Print Name)  6. Signature: (Addressee or Agent)  X	8. Addressee and fee is	o's Address (Only if requested paid)
_	PS Form <b>3811</b> , December 1994	595-97-B-0179	Domestic Return Receipt

SENDEM: Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so card to you. Attach this form to the front of the mailpiece, or on the bac permit. Write "Return Receipt Requested" on the mailpiece below to the The Return Receipt will show to whom the article was delived.	k if space does not the article number.	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.
3. Article Addressed to:	4a. Article N P 436	
	4b. Service	
	Register	ed 🖾 Certified
Texaco E&P Inc.	☐ Express	<u>(1)</u>
P.O. Box 3900	□ Return Re	ceipt for Merchandise
Midland, TX 79702	7. Date of D	elivery
5. Received By: (Print Name)	8. Addresse and fee is	e's Address (Only if requested
6. Signature: (Addressee or Agent)		_
X		
PS Form <b>3811,</b> December 1994	102595-97-B-0179	Domestic Return Receipt

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ADDRESS completed on	James K. & Donna Fay Henson 2020 Matts Dr. Hobbs, NM 88240	4b. Service  Registere  Express	313 782 Type	☐ COD	using Return He
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### AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

### I. KATHI BEARDEN

	Publisher	
newspap Hobbs, I swear th hereto w week in issue of	obbs News-Sun per published at New Mexico, do at the clipping a vas published on the regular and said paper, and tent thereof for a	o solemnly attached ace a entire not a
of	1	
 Beginni	ng with the issue	weeks. e dated
-	February 25	2000
and end	ing with the issu	
I	February 25	2000
Sats	i Bade	eu_
Sworn	Publisher and subscribed	to before
me this.	25th	day of
	February	2000
Motary I		
My Con	nmission expires	S

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

October 18, 2000

(Seal)

LEGAL NOTICE February 25, 2000

Notice is hereby given of the application of Altura Energy, LTD, Attn: Mark Stephens, P.O. Box 4294, Rm. 338-B, Houston, TX 77210-4294 (281/552-1158), to the Oil Conservation Division, New Mexico Energy, Minerals and Natural Resources Department, for approval of the following injection well for the purpose of secondary recovery: Pool Name: Hobbs; Grayburg-San Andres Lease/Unit Name: North Hobbs G/SA Unit Well No. 121 Loc.: 2310' FNL & 330' FWL, Unit Letter E Sec. 30, T-18-S, R-38-E, Lea Co., NM . The injection formation is the Hobbs; Grayburg - San Andres Pool between the intervals of +/- 3700' and +/- 5300' below the surface of the ground Expected maximum injection rate is 4000 BWPD and the expected maximum injection pressure is approxi-mately 805 psi. Interest parties must file objections or requests for hearing with the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, NM 87505 within fifteen (15) days.

#17208

02101173000 Altura

P. O. Box 4294 Houston, TX 77210-4294

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