

December 3, 1999

**- 6** (969

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

RE: Expansion of Pressure Maintenance Project North Hobbs (Grayburg/San Andres) Unit Hobbs; Grayburg – San Andres Pool Well No. 332 Letter J. Section 30, T-18-S, R-38-E Lea County, NM

#### Gentlemen:

Altura Energy LTD respectfully requests administrative approval for expansion of the subject pressure maintenance project by converting North Hobbs (G/SA) Unit Well No. 332 from production to water injection. Administrative Order No. R-6199 granted November 30, 1979, authorized Shell Western E&P Inc. (Altura'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. 332). 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
- Schematics of plugged wells that are 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) 397-82ll. Otherwise, please call me at (281) 552-1158.

Very truly yours,

Mark Stephens

Business Analyst (SG)

Mark Skephens

CC: Oil Conservation Division

Hobbs District Office

P.O. Box 1980

Hebbs, NM 88241

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

Bureau of Land Management Roswell District Office 2909 West Second Street Roswell, NM 88201

Offset Operators (see attached list)

Surface Owners (see attached list)

STATE OF NEW MEARCO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

# 2040 SOUTH PACHECO SANTA FE, NEW MEXICO 87505

POKIM C-108 Revised 4-1-98

### APPLICATION FOR AUTHORIZATION TO INJECT

<b>J</b> .	PURPOSE:Application quality	Secondary Recovery fies for administrative approval?	X	Pressure Mainto	enance No	Dispo	sal	Storage
/ <sub>II.</sub>	OPERATOR:	Altura Energy I	TD					
	ADDRESS:	P.O. Box 4294,	Houston,	TX 77210-4	4294			
	CONTACT PAR	TY:Mark Stephens,	Rm. 338-	-B, WL2		PHOI	NE: (281)	552-1158
чII.		omplete the data required on the dditional sheets may be attached			each well pr	oposed for inje	ction.	
ÁV.	Is this an expansion If yes, give the Di	on of an existing project?ivision order number authorizing	X Yes	sN :R-6199	No (11/30/79	9)		
w.		identifies all wells and leases we proposed injection well. This					e-half mile ra	adius circle
√vI.	Such data shall in	on of data on all wells of public resclude a description of each well plugged well illustrating all plug	s type, cons	truction, date dril				
VII.	Attach data on the	e proposed operation, including:						
	<ol> <li>Whether the s</li> <li>Proposed aver</li> <li>Sources and a produced wat</li> <li>If injection is</li> </ol>	rage and maximum daily rate and system is open or closed; rage and maximum injection preson appropriate analysis of injectioner; and, for disposal purposes into a zone lysis of the disposal zone formation.	ssure; on fluid and e not produc	compatibility wit	h the receivi	one mile of the	proposed we	ell, attach a
∜VIII.	depth. Give the g	ate geologic data on the injection geologic name, and depth to botto polids concentrations of 10,000 m nediately underlying the injection	om of all un g/l or less) o	derground source	s of drinking	g water (aquifer	s containing	waters with
IX.	Describe the prop	oosed stimulation program, if any	/.					
*X.	Attach appropriat	te logging and test data on the we	ell. (If well	logs have been fi	led with the	Division, they	need not be 1	resubmitted).
V≠XI.		l analysis of fresh water from two sal well showing location of well				and producing)	within one m	nile of any
XΠ.		isposal wells must make an affirm evidence of open faults or any of ing water.						
XIII.	Applicants must of	complete the "Proof of Notice" s	ection on th	e reverse side of t	this form.			
XIV.	Certification: I he and belief.	ereby certify that the information	submitted	with this applicati	ion is true ar	nd correct to the	best of my	knowledge
	NAME:	Mark Stephens			TITLE: _	Business	Analyst	(SG)
	SIGNATURE: _	Mark Stephe	hl	<u>.</u>	I	DATE:	12/3/99	
*	If the information	required under Sections VI, VII late and circumstances of the ear	T X and X	I above has been i	nreviously s	uhmitted it nee	d not be recu	hmitted

#### 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. 332 Letter J, 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 (Champion Technologies, Inc. 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 4 ea.)
- XII. Altura Energy LTD 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.

### INJECTION WELL DATA SHEET

Operator Altura Energ	v LTD.	Lease North Hobbs	G/SA Unit		County Lea
Well No. 30-332	Footage Location 2470 FSL & 1600 FEL	Section 30	Township 18-S	Range 38-E	Unit Letter J
13-3/8° @ 40'	Schematic	Surface Casing Size 13-3/3 TOC	<u>Tub</u> 8 Cem	ular Data ented with	SXS.
9-5/8" @ 1503'		Intermediate Ca Size 9-5/8 TOC Surf Hole size	Cem	ented with 65 rmined by	Circ. sxs.
		Long string Cas Size 7" TOC Surf Hole size	Cem	ented with 80 Ci	oo sxs.
		Total depth	4371'		
		Injection interva 4000	<u> </u> feet to	4350	feet
7" @ 4371"		Completion type	Perforat	tions	
Tubing size	2-7/8" lined with	Fiberglass E			set in a
Giberson Ur	(brand and model)	packer at	±3950	feet	
Other Data	One And				
	injection formation San And				
2. Name of field	d or Pool Hobbs (	Grayburg/San	Andres) Poo		
3. Is this a new If no, for v	well drilled for injection? vhat purpose was the will originally d	rilled? Yes	an Andres pro	No oducer	
	ever been perforated in any other zooks of cement or bridge plug(s) used		uch perforated i	ntervals and give	plugging
	th to and name of any overlying and rg – 3700, Glorieta - 5300	or underlying oil a	and gas zones (	pools) in this are	а.

### INJECTION WELL DATA SHEET

Operator	Lease	0.004 11-14		County
Altura Energy LTD.		s G/SA Unit		Lea
Well No. Footage Location	Section 30	Township	Range 38-⊏	Unit Letter
30-332 2470 FSL & 1600 FEL    13-3/8"	Surface Casing Size 13-3 TOC Hole size Intermediate Considered Size 9-5/8 TOC Surf Hole size Long string Cansize 7" TOC Surf Hole size Total depth Injection intervers	18-S  Tub  9 /8 Ceme Deter  3 Ceme Deter  4371'  11 12 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	38-E  ular Data  ented with rmined by  ented with frmined by  ented with C  compared by  4350	sxs.  50 sxs.  Circ.  00 sxs.  irc.
7" @ 4371"  Tubing size 2-7/8" lined with	Completion type Fiberglass		ions	and in a
	<del></del>			set in a
Giberson Uni VI (brand and model)	packer at	±3950	feet	
Other Data  1. Name of the injection formation  San A	ndres			
•	(Grayburg/Sar	Andres) Poo	ľ	
Is this a new well drilled for injection?  If no, for what purpose was the will originally.	Yes y drilled? S	San Andres pro	No oducer	
Has the well ever been perforated in any other detail (sacks of cement or bridge plug(s) use None		such perforated i	ntervals and give	e plugging
5. Give the depth to and name of any overlying a Grayburg – 3700, Glorieta - 5300	nd/or underlying oil	and gas zones (	pools) in this are	a.

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

DISTRICT III

DISTRICT IV

#### 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

1000 Rio Brazos Rd., Aztec, NM 87410

P.O. BOX 2088, SANTA FE, N.M. 67504-2088

1-0719

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	ANDRES
30-025-28954	31920	HOBBS; GRAYBURG — SAN	
Property Code		perty Name	Well Number
19520		BBS G/SA UNIT	332
OGRID No. 157984	•	rator Name ENERGY LTD.	Elevation 3651

#### Surface Location

UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
J	30	18 S	38 E		2457	SOUTH	1598	EAST	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 Co	nsolidation	Code Ore	der No.				1

# 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		OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
37.81 ACRES		Mark Stephens
	SPC NME NAD 27 Y=626538 X=853506	Printed Name Business Analyst (SG) Title December 3, 1999  Date
37.85 ACRES		SURVEYOR CERTIFICATION
LOT 3	WELL #332 0-1598'	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	2457	Date Survey 20, 1999  Date Survey 20, 1999  Digital Survey 20, 1999  Digital Survey 20, 1999
		Ceoling ate. No. 323418 F EIDSON 3239  1. 320 SON 1264:  1. 320 SON 1265:  1. 320 SON 1265:  1. 320 SO
37.91 ACRES		dimmonde.

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, NN 88211-0719

DISTRICT IV

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

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	ANDRES
30-025-28954	31920	HOBBS; GRAYBURG — SAN	
Property Code	•	erty Name	Well Number
19520		BS G/SA UNIT	332
0GRID No.	<u>-</u>	ator Name	Elevation
157984		ENERGY LTD.	3651

#### Surface Location

ſ	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	J	30	18 S	38 E		2457	SOUTH	1598	EAST	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 Co	noitabiloe	Code Or	der No.				

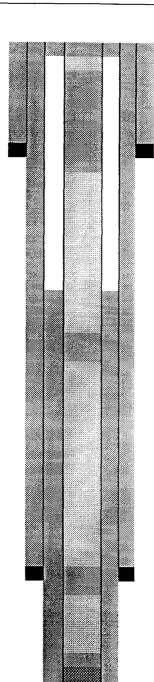
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 1			OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
37.81 ACRES LOT 2			Mark Stephens Printed Name
	 SPC NME NAD 27 · Y=626538 X=853506		Business Analyst (SG) Title December 3, 1999 Date
37.85 ACRES			SURVEYOR CERTIFICATION
LOT 3	WELL #332	1598'	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 LOT 4	.52	· · · · · · · · · · · · · · · · · · ·	Date Supply S. Sept 6 1999  Date Supply S. Sept 6 1999  PER Signature Supply S. Sept 6 1999
	24		Centragate No. 30 Mario F EIDSON 3239
37.91 ACRES			MINING MCDONALD 12185

#### **WELL SCHEMATIC: ALTURA NHU 30-342**

WELL PLUGGED: 4/27/99

121/2" 220' 210 SX TOC: SURF



Spotted 10 sx cmt plug from 60' to 3'.

Spotted 36 sx cmt plug from 306' to 97'.

Circulated plugging mud.

Spotted 25 sx cmt plug from 1713' to 1564'.

9 5/8" 2750' 650' SX TOC: SURF

7" 3974' 300 SX TOC: 1144' CBL

TD: 4268'

Spotted 25 sx cmt plug from 2825' to 2696'.

Dumped 25 sx cmt on top of CIBP at 3825'.

WELL PLUGGED: 5/12/30

Hole cemented with 40 sxs From 66' to surface.

Hole mudded from 106' To 66'.

Plugged back at 106' with ?

12.5" 25 sxs

PBTD: 106'

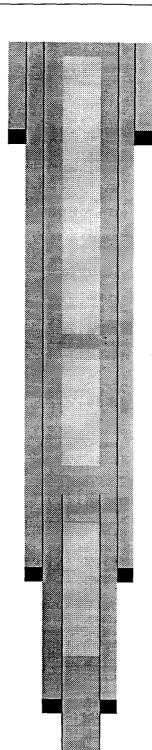
TOC: SURF(C)

TD: 242'

WELL PLUGGED: 5/10/71

12 ½" 217' 200 SX TOC: NA

9 5/8" 2750' 650 SX TOC: NA



Spotted 10 sx cmt plug from 35' to top.

Circulated well bore with 9# Mud.

Spotted 20 sx cmt plug from 1500' to 1400'.

7" csg shot loose at 2435'. Spotted 50 sx cmt plug from 2485' to 2340'.

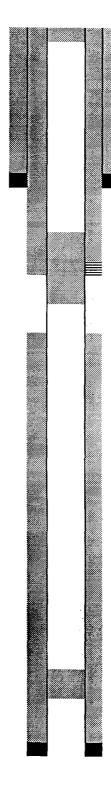
3147' 120 SX TOC: 2470 TS

TD: 3190'

Spotted 50 sx cmt plug from 3190' to 2950'.

WELL PLUGGED 11/21/80

8 5/8" 222' 100 sxs. TOC:N.A.



8 5/8 and 5 51/2 csg cut off 7' below GL.. ½ " plate welded on top.
10' cmt plug at surface.

Cmt. Ret. set at 350'

Sqzd. Perfs at 390' with 100 sxs. cmt from 500' to 350'. Circ. to surface.

5 5/8" 3132' 575 sxs. TOC: 880' TS

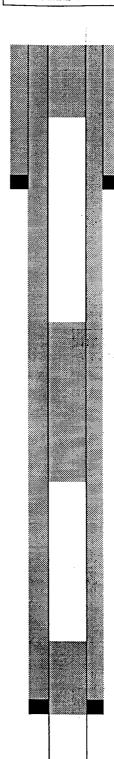
PBTD: 3088'

10 sxs. Cmt plug 3088-2988

WELL PLUGGED: 5/10/71

8 5/8" 283' 125 sxs

TOC: SURF (C)



10 sxs cmt plug set from 50' to surf

20 sxs cmt plug set from 1500' to 1400'

5 ½" 3150' 1350 sxs TOC:SURF (C)

TD: 3189'

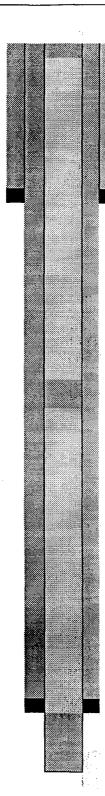
50 sxs cmt plug set from 3189' to 2800'

WELL PLUGGED: 11/27/70

8 5/8 " 262' 150 SXS TOC: CIRC

5 ½" 3151' 1000 SXS TOC: CIRC

TD: 3225'



Spotted a 10 sxs cmt plug at surface with marker.

Hole loaded with mud laden fluids.

Spotted a 20 sxs cmt plug from 1400' to 1550'

Spotted a 30 sxs cmt plug from 3050' to 3225'

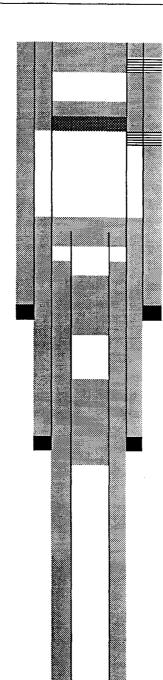
WELL PLUGGED: 11/15/89

9 5/8" 2750' 620 SX TOC: NA

7" 3962' 528 SX TOC: NA

4 ½" 6000' 275 SX TOC: 2200 TS

TD: 6000'



Perfd 7" & 9 5/8" csg at 280' & sqzd w/100 sx.

Dropped 54' cmt on top of ret

Perf'd 7" and 9 5/8" csg at 1350'. Set cmt ret at 1304'. Sqz'd w/100 sx thru perfs.

Spotted 25 sx cmt plug from 1911' to 2058'.
Cut 4 ½" csg at 2000' and Pull out of hole.
Spotted 20 sx cmt plug from 2470' to 2800'.

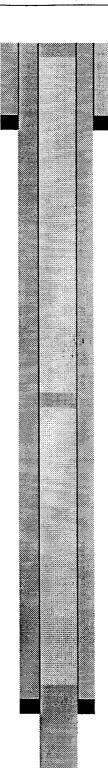
Spotted 40 sx cmt plug from 3430' to 4100'.

WELL PLUGGED: 11/27/70

8 5/8" 249' 150 SX TOC: CIRC

5 ½" 3158' 1250 SX TOC: CIRC

TD: 3218'



Spotted 10 sx cmt plug at

Hole was loaded with mud Laden fluid.

Spotted 20 sx cmt plug from 1400' to 1500'.

Spotted 25 sx cmt plug at 3218'.

WELL PLUGGED: 11/30/66

7" 12' 6 SX

TOC: CIRC



12' of 7" csg left in hole.

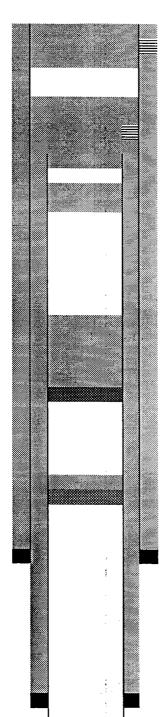
Filled hole with approximately .75 yards of 5 sx Redi-Mix.

TD: 50'

WELL PLUGGED: 8/4/90

8 5/8" 3836' 500 SX

TOC: 2300' TS



Perf'd 8 5/8" at 450'. Pumped 211 sx down 8 5/8" thru perfs At 450' and circulate.

Perf'd 8 5/8" csg at 1485'. Cut off 4 ½ csg at 1500'. Spotted 77 sx cmt plug from 1500' to 1385'.

Spotted 15 sx cmt plug from 2711' to 2528'.

Spotted 70 sx cmt plug from 4632' to 3364'.

Cmt. ret. at 4632' – sqz with 25 sx.

CIBP at 5300' w/ 35' cmt cap.

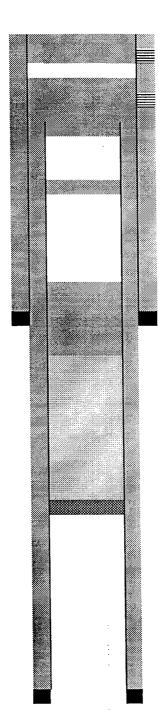
4 ½" 5988' 550 SX

TOC: 2800' TS

TD: 6000'

WELL PLUGGED: 8/30/90

8 5/8" 3836' 500 SX TOC:1858' CALC



Perf'd @ 450'. Pump 211 sx Down 8 5/8" csg to surf. Spot 77 sx from 1490-1200' Perf'd at 1485'. Cut off 5 ½" csg at 1500'.

Spotted 25 sx cmt plug at 2716'.

Spot 50 sx cmt from 4100' to 3600'.

Displaced hole with salt gel Mud.

Tagged CIBP w/35' cmt cap At 5710'.

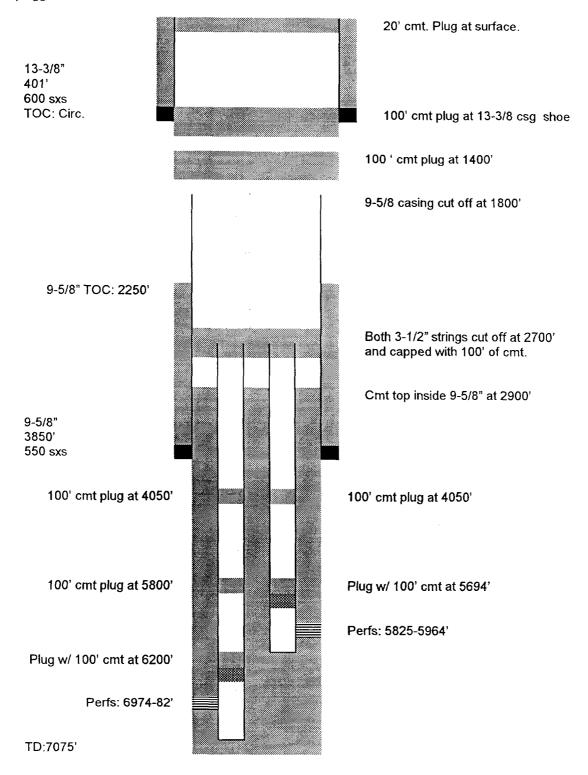
TD: 7050'

5 ½" 7038' 650 SX

TOC:3125' CALC

#### WELL SCHEMATIC - Exxon Bowers A Federal #32

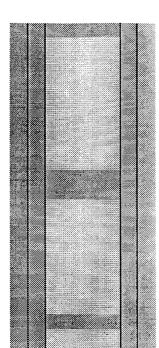
#### Well plugged 9/14/72



WELL PLUGGED: 12/3/70

9 5/8" 2736' 650 SX

TOC: SURF (C)



Spotted 10 sx cmt plug from 0' to 25 '.

Hole was loaded with mud Laden fluids.

Spotted 20 sx cmt plug from 1400' to 1550'.

Spotted 40 sx cmt plug from 2300' to 2400'.

7" 3970' 300 SX

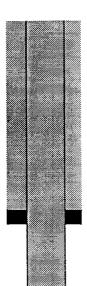
TOC: 2000(C)

Spotted 50 sx cmt plug from 3000' to 3250'.

TD: 4259'

WELL PLUGGED: 8/19/98

7" 10' 3 SX TOC: NA



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

10' to 38' - open hole.

TD: 38'

WELL PLUGGED: 8/19/98

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



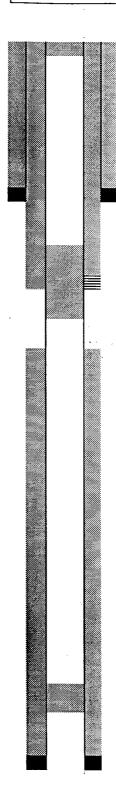
Csg was pulled out of hole. Well was filled to the surface With approximately .75 yards Of 5 sx Redi-Mix.

10' to 38' - open hole.

TD: 38'

WELL PLUGGED 11/21/80

8 5/8" 222' 100 sxs. TOC:N.A.



8 5/8 and 5 51/2 csg cut off 7' below GL.. ½ " plate welded on top. 10' cmt plug at surface.

Cmt. Ret. set at 350'

Sqzd. Perfs at 390' with 100 sxs. cmt from 500' to 350'. Circ. to surface.

5 5/8" 3132' 575 sxs. TOC: 880' TS

PBTD: 3088'

10 sxs. Cmt plug 3088-2988

#### WELL SCHEMATIC: ARC IND BOWERS A FED #2

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.

10' to 38' - open hole.

TD: 38'

### WELL SCHEMATIC: ARC IND BOWERS A FED #3

WELL PLUGGED: 8/19/98

7" 10' 3 SX TOC: NA



Csg was pulled out of hole. Well bore was filled with Approximately .75 yards of 5 sx Redi-Mix.

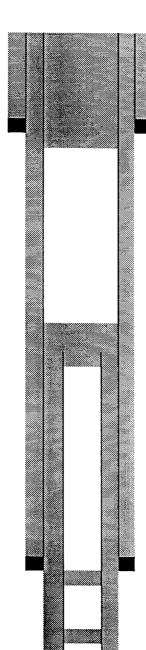
TD: 38'

WELL PLUGGED: 12/21/71

15 ½" 235' 225 SX TOC: NA

9 5/8" 2716' 650 SX

TOC: SURF (C)



Set 120 sx cmt plug at 250' And circulate.

Cut off 7" csg. at 1500' and Pull out of hole. Pump 60 sx Cmt plug at 1500'.

7" 3987' 300 SX TOC: 2027 (C)

TD: 4239

Set plug at 2800'.

Spotted 25 sx cmt plug at 3355'.

Spotted 28 sx cmt plug at 3970'.

#### WELL SCHEMATIC: ARC IND. BOWERS A FED #13

WELL PLUGGED: 8/19/98

5 ½" 10' 3 SX TOC: NA

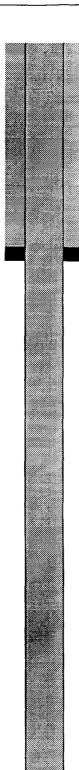


Csg was pulled out of hole. Well was filled to the surface With approximately .75 yards Of 5 sx Redi-Mix.

TD: 45'

WELL PLUGGED: 8/19/98

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

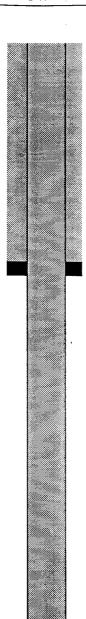


Csg was pulled out of hole. Well was filled to the surface With approximately .75 yards Of 5 sx Redi-Mix.

TD: 38'

WELL PLUGGED: 8/19/98

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



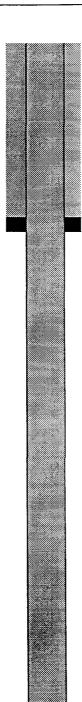
Csg was pulled out of hole. Well was filled to the surface With approximately .75 yards Of 5 sx Redi-Mix.

TD: 38'

### WELL SCHEMATIC: ARC IND BOWERS A FED #6

WELL PLUGGED: 8/19/98

6 ¾" 10' 3 SX TOC: NA



Csg was pulled and well was Filled with approximately .75 yards of 5 sx Redi-Mix.

TD: 45'

WELL PLUGGED: 8/26/75

9 5/8" 2755' 600 SX

TOP: 337' CALC

Laid 10 sx cmt plug in top.

Laid 37 sx cmt plug from 1575' to 1475'.

Ran 2 3/8" tbg to 3000'.
Circulated hole with 123 bbls.
Brine water w/23 sx salt gel.
Pulled tbg.
Shot csg at 2547'. Pulled and
Laid down 84 joints(2555') 7"
Csg. Ran tbg to 2616' and
Laid 28sx cmt plug from
2616' to 2516'.

Set Titan CIBP at 3095'. Dumped 7 sx cmt on top of CIBP.

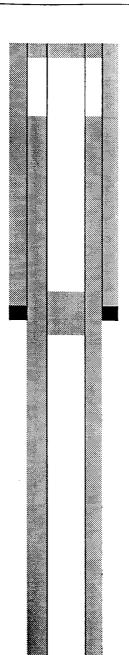
7" 3166' 100 SX TOC: 2595' CALC

TD: 3199'

# WELL SCHEMATIC: GETTY HD MCKINLEY #6

WELL PLUGGED: 8/26/75

8 5/8" 1474' 400 SX TOC: CIRC



Laid 10 sx cmt plug in top.

Laid 20 sx cmt plug from 1542' to 1374'.

5 ½" 3178' 200 SX

TOC: 498 (C)

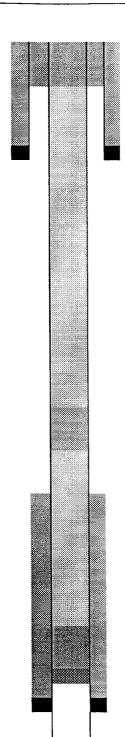
TD:3200'

Set CIBP at 3100'. Dumped 5 sx cmt on top of CIBP.

#### 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'

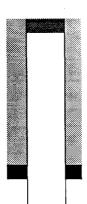
5 ½" 3130'

600 SX TOC: 2992'

### WELL SCHEMATIC: AMERADA MCKINLEY #10

WELL PLUGGED: 8/14/82

5 ½" 10' 1 yd. Redi-Mix



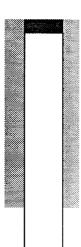
The pump was pulled from The well and steel plates Were welded on top of the Well.

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'



HOBBS, NEW MEXICO 88240

### **Saturation Index Calculations**

Champion Technologies, Inc. (Based on the Tomson-Oddo Model)

Telephone (505) 393-7726

### Site Information

Company	Altura
Field	North Hobbs Unit
Point	IPD
Date	4/15/98

Water Analysis (mg/L)

Calcium	1,122
Magnesium	194
Barium	0
Strontium	0
Sodium*	3730
Bicarbonate Alkalinity	1,769
Sulfate	1,726
Chloride	6,000

Appended Data	
Dissolved CO2	228 mg/L
Dissolved O2	N/A PPB
H2S	596 mg/l.
Iron	0.0 mg/L
Specific Gravity	1.010 value
TDS	14551 mg/L
Total Hardness	3600 mg/L
Well head pH	N/A value

**Physical Properties** 

Ionic Strength*	0.29
piit	6.52
Temperature	86°F
Pressure	100 psia

<sup>• -</sup> Calculated Value † - Known/Specified Value

### Calcite Calculation Information

Calculation Method	Value
pll	6.52
Bicarbonate Alkalinity Correction(s)	Value
None Used	-#=

### SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	0.48	310.4
Gypsum (Calcium Sulfate)	-0.45	N/A
Hemihydrate (Calcium Sulfate)	-0.32	N/A
Anhydrite (Calcium Sulfate)	-0.72	N/A
Barite (Barium Sulfate)	N/A	N/A
Celestite (Strontium Sulfate)	N/A	N/A

<sup>• -</sup> Calculated Value



### Ranged Data Champion Technologies, Inc.

mpion Lechnologies, Inc.

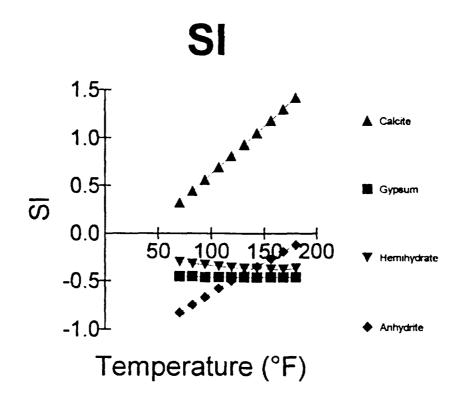
P.O. BOX 2187 HOBBS, NEW MEXICO 88240

### Site Information

Company	Altura	
Field	North Hobbs Unit	
Point	IPD	
Date	4/15/98	

### SI Results

Temperature (°F)	Calcite	Gypsum	Hemihydrat	Anhydrite
70	0.32	-0.45	-0.30	-0.83
82	0.44	-0.45	-0.32	-0.75
94	0.56	-0.46	-0.33	-0.67
107	0.69	-0.46	-0.35	-0.58
119	0.81	-0.46	-0.36	-0.50
131	0.93	-0.46	-0.37	-0.43
143	1.05	-0.46	-0.37	-0.35
156	1.18	-0.46	-0.38	-0.27
168	1.30	-0.46	-0.38	-0.19
180	1.42	-0.46	-0.37	-0.12





Telephone (505) 393-7726

### Laboratory Services, Inc.

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

### Water Analysis

COMPANY	Altura Energy Ltd,		
SAMPLE	North Hobbs Un. CTB	185-38	E-SEC29
SAMPLED BY	David Nelson	SW1/4,	NW14, NW14, NW14
DATE TAKEN	10/12/99		
REMARKS	- · · · · · · · · · · · · · · · · · · ·		
Barium as Ba		0	
Carbonate alkalini	ty PPM	12	
Bicarbonate alkalir		212	
pH at Lab		7.48	
Specific Gravity @	60°F	1.001	
Magnesium as Mg		200	
Total Hardness as	CaCO3	344	• •
Chlorides as Cl		155	
Sulfate as SO4		145	·
Iron as Fe		0.1	
Potassium		0.08	
Hydrogen Sulfide		0	
Rw		7	24 C
Total Dissolved S	olids	1,045	
Calcium as Ca		144	
Nitrate		14	
	•		

Results reported as Parts per Million unless stated

Langelier Saturation Index + 0.03

Analysis by: Rolland Perry
Date: 10/19/99

### S S

### Laboratory Services, Inc.

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

### Water Analysis

COMPANY Altura Energy Ltd,		
<b>SAMPLE</b> 18S-38E-Sec 30 NW1/	4 NE1/4 SW1/	4 SE1/4 SW1/4
SAMPLED BY David Nelson	±, 1001, ±,001,	1/001/ 1/0WI/ 1
DATE TAKEN 10/12/99 REMARKS		
Barium as Ba	0	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	212	
pH at Lab	7.46	
Specific Gravity @ 60°F	1.001	
Magnesium as Mg	172	
Total Hardness as CaCO3	296	
Chlorides as Cl	85	
Sulfate as SO4	135	
Iron as Fe	0.01	
Potassium	0.1	
Hydrogen Sulfide	0	
Rw	7	23 C
Total Dissolved Solids	922	
Calcium as Ca	124	
Nitrate	7.9	
Results reported as Parts per Million unless stated		
Langelier Saturation Index	- 0.04	
	Analysis by:	Rolland Perry

Date:

10/19/99

### L S

### Laboratory Services, Inc.

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

### Water Analysis

COMPANY	Altura Energy Ltd,		
SAMPLE	18S-38E-Sec30 NE1/	4,SW1/4,SW1/4	
SAMPLED BY	David Nelson		
DATE TAKEN REMARKS	10/12/99		
Barium as Ba		0	
Carbonate alkalir		0	
Bicarbonate alka	linity PPM	204	
pH at Lab		7.52	
Specific Gravity		1.001	
Magnesium as M		125	
Total Hardness a	s CaCO3	216	
Chlorides as CI		64	
Sulfate as SO4		55	
Iron as Fe		0.01	
Potassium		0.1	
Hydrogen Sulfide	9	0	
Rw		9	23 <b>C</b>
Total Dissolved	Solids	595	
Calcium as Ca		91	
Nitrate		1.2	
Results reported as I	Parts per Million unless stated		
Langelier Satura	tion Index	- 0.18	

Analysis by: Rolland Perry
Date: 10/19/99

### S S

### Laboratory Services, Inc.

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

### Water Analysis

SAMPLE         18S-38E-Sec.30 SW1/4,NE1/4,NE1/4,NE1/4,NE1/4           SAMPLED BY         David Nelson    DATE TAKEN 10/12/99	
SAMPLED BY David Nelson  DATE TAKEN 10/12/99	
DATE TAKEN 10/12/99	
TO/ TA/ 22	<del></del>
REMARKS	
Barium as Ba 0	
Carbonate alkalinity PPM 0	
Bicarbonate alkalinity PPM 248	
pH at Lab 7.15	
Specific Gravity @ 60°F 1.001	
Magnesium as Mg 174	
Total Hardness as CaCO3 300	
Chlorides as Cl 71	
Sulfate as SO4 110	
Iron as Fe 0.22	
Potassium 0.1	
Hydrogen Sulfide 0	
Rw 7.5 23 C	
Total Dissolved Solids 820	
Calcium as Ca	
Nitrate 2.2	
Depute reported as Darte per Million upless stated	
Results reported as Parts per Million unless stated	
Langelier Saturation Index - 0.35	
- 0.55	

Analysis by:

Date:

Rolland Perry 10/19/99

### LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

### LIST OF OFFSET OPERATORS & SURFACE OWNERS

North Hobbs (Grayburg/San Andres) Unit Well No. 332 Letter J, Section 30, T-18-S, R-38-E Lea County, New Mexico

### **Offset Operators**

Altura Energy LTD P.O. Box 4294 Houston, TX 77210-4294

Exxon Company, U.S.A. Attn: Joint Interest Operations P.O. Box 4707 Houston, TX 77210-4707

Getty Oil Company P.O. Box 797035 Dallas, TX 75379-7035

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

Saga Petroleum LLC 415 W. Wall, Suite 835 Midland, TX 79701

Surface Owners

Grimes Land Co. P.O. Box 5102 Hobbs, NM 88241

<ul> <li>■ Complete items 3, 4a, and 4b.</li> <li>■ Print your name and address on the reverse of this form so that v</li> </ul>	we can return this	I also wish to receive the following services (for an extra fee):
card to you.  ■ Attach this form to the front of the mailpiece, or on the back if spa	ace does not	1. Addressee's Address
permit.  Write "Return Receipt Requested" on the mailpiece below the arti	icle number.	2. Restricted Delivery
The Return Receipt will show to whom the article was delivered a delivered.	and the date	Consult postmaster for fee.
3. Article Addressed to:	4a. Article Nu P 447	umber 842 751
Getty Oil Company	4b. Service T	уре
P.O. Box 797035	☐ Registere	d 💆 Certified
Dallas, TX 75379-7035	☐ Express N	Mail ☐ Insured
		ceipt for Merchandise  COD
	7. Date of De	Blivery
5. Received By: (Print Name)	8. Addressee and fee is	1. Addressee's Address 2. Restricted Delivery Consult postmaster for fee.  umber 842 751  ype d
6. Signature: (Addressee or Agent)		
	02595-97-B-0179	Domestic Return Receipt
SENDER:		I also wish to receive the
<ul> <li>Complete items 1 and/or 2 for additional services.</li> <li>Complete items 3, 4a, and 4b.</li> <li>Print your name and address on the reverse of this form so that</li> </ul>	we can return this	I also wish to receive the following services (for an extra fee):
card to you.  Attach this form to the front of the mailpiece, or on the back if sp	ace does not	1. Addressee's Address
permit.  Write "Return Receipt Requested" on the mailpiece below the an	ticle number.	2.   Restricted Delivery
The Return Receipt will show to whom the article was delivered delivered.		Consult postmaster for fee.
3. Article Addressed to:	4a. Article N	<u> </u>
		842 752
Charles E. Seed	4b. Service	Type
Houston Ranch	☐ Registere	· -
Lovington Hwy.	☐ Express	Mail Insured
Hobbs, NM 88240	☐ Return Re	ceipt for Merchandise  COD
	7. Date of D	elivery
5. Received By: (Print Name)	8. Addresse and fee is	e's Address (Only if requested
0.00		
6. Signature: (Addressee or Agent)		
6. Signature: (Addressee or Agent) X		
X	102595-97-B-0179	Domestic Return Receipt
X PS Form <b>3811</b> , December 1994	102595-97-B-0179	Domestic Return Receipt
PS Form 3811, December 1994  SENDER:  Complete items 1 and/or 2 for additional services.  Complete items 3, 4a, and 4b.		I also wish to receive the following services (for an
PS Form 3811, December 1994  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 card to you.	t we can return this	I also wish to receive the following services (for an
PS Form 3811, December 1994  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 card to you.  Attach this form to the front of the mailpiece, or on the back if s	t we can return this	I also wish to receive the following services (for an
PS Form 3811, December 1994  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 card to you.	t we can return this pace does not rticle number.	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery
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 card to you.  "Attach this form to the front of the mailpiece, or on the back if s permit.  "Write "Return Receipt Requested" on the mailpiece below the a "The Return Receipt will show to whom the article was delivered.	t we can return this pace does not uticle number. It and the date	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.
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 card to you.  Attach this form to the front of the mailpiece, or on the back if spermit.  Write 'Return Receipt Requested' on the mailpiece below the a  The Return Receipt will show to whom the article was delivered delivered.	t we can return this space does not urticle number. d and the date	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.
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 card to you.  Attach this form to the front of the mailpiece, or on the back if spermit.  Write 'Return Receipt Requested' on the mailpiece below the a  The Return Receipt will show to whom the article was delivered delivered.	t we can return this pace does not riticle number. d and the date  4a. Article f P 44 4b. Service	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.  Number 47 842 833  Type
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 card to you.  "Attach this form to the front of the mailpiece, or on the back if s permit.  "Write "Return Receipt Requested" on the mailpiece below the a "The Return Receipt will show to whom the article was delivered delivered.  3. Article Addressed to:	t we can return this space does not unticle number. If and the date  4a. Article is P 44  4b. Service	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.  Number 47 842 833  Type red  Certified
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 card to you.  "Attach this form to the front of the mailpiece, or on the back if s permit. "Write "Return Receipt Requested" on the mailpiece below the a "The Return Receipt will show to whom the article was delivered.  3. Article Addressed to:  Exxon Company, U.S.A.	t we can return this space does not inticle number. It and the date  4a. Article f P 44  4b. Service  Register	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.  Number 47 842 833  Type red  Certified Mail Insured
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 card to you.  "Attach this form to the front of the mailpiece, or on the back if spermit.  "Write "Return Receipt Requested" on the mailpiece below the a "The Return Receipt will show to whom the article was delivered delivered.  3. Article Addressed to:  Exxon Company, U.S.A.  Attn: Joint Interest	t we can return this space does not inticle number. d and the date  4a. Article f P 44  4b. Service  Register  Register  Return R	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.  Number 47 842 833  Type red
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 card to you.  "Attach this form to the front of the mailpiece, or on the back if spermit.  "Write "Return Receipt Requested" on the mailpiece below the a "The Return Receipt Redusted" on the mailpiece below the a delivered.  3. Article Addressed to:  Exxon Company, U.S.A.  Attn: Joint Interest Operations	t we can return this space does not inticle number. It and the date  4a. Article f P 44  4b. Service  Register	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.  Number 47 842 833  Type red
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 card to you.  "Attach this form to the front of the mailpiece, or on the back if spermit.  "Write "Return Receipt Requested" on the mailpiece below the a "The Return Receipt will show to whom the article was delivered.  3. Article Addressed to:  Exxon Company, U.S.A.  Attn: Joint Interest Operations P.O. Box 4707	t we can return this space does not inticle number. It and the date  4a. Article P 4/2  4b. Service  Register  Return Register  7. Date of E	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.  Number 47 842 833  Type red

your RETURN ADDRESS completed 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 e number. d the date	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.	eipt Service.
eted	3. Article Addressed to:	4a. Article N P 447	umber 842 753	in Rec
ADDRESS comp	Saga Petroleum LLC 415 W. Wall, Suite 835 Midland, TX 79701	4b. Service 1  Registere Express I  Return Rec 7. Date of De	Type ed XX Certified Mail □ Insured ceipt for Merchandise □ COD elivery	Thank you for using Return Receipt Service
ETURN	5. Received By: (Print Name)	8. Addresses and fee is	e's Address (Only if requested paid)	hank y
ls your <u>R</u>	6. Signature: (Addressee or Agent)			_
side?	SENDER:  Complete items 1 and/or 2 for additional services.  Complete items 3, 4a, and 4b.		I also wish to receive the following services (for an	-
verse	<ul> <li>Print your name and address on the reverse of this form so that vecard to you.</li> <li>Attach this form to the front of the mailpiece, or on the back if spanning.</li> </ul>		s extra fee):  1.	į
completed on the reverse side?	permit.  "Write "Return Receipt Requested" on the mailpiece below the article The Return Receipt will show to whom the article was delivered a delivered.	cle number. Ind the date	Restricted Delivery  Consult postmaster for fee.	
leted o	3. Article Addressed to:	4a. Article I	Number 842 750	
your RETURN ADDRESS comp	Grimes Land Company P.O. Box 5102 Hobbs, NM 88241	4b. Service Registe Express Return R 7. Date of 0	red 🖫 Certified s Mail 🗆 Insured leceipt for Merchandise 🗆 COD	•
RETUR	5. Received By: (Print Name)	8. Address	ee's Address (Only if requested is paid)	
ls your	6. Signature: (Addressee or Agent)			
_	PS Form <b>3811</b> , December 1994	02595-97-B-0179	Domestic Return Receip	

State of New Mexico, County of Lea.

### I, KATHI BEARDEN

### Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of	_
week	s.
Beginning with the issue dated	
September 11 1999	9
and ending with the issue dated	
September 12 199	9
Kashi Bearder	
Publisher Sworn and subscribed to before	
me this 22nd day o	f
October 1999	9

My Commission expires October 18, 2000 (Seal)

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.

02101173000 01535865 Altura Energy LTD P. O. Box 4294 Houston, TX 77210-4294 LEGAL NOTICE SEPTEMBER 12, 1999

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 wells for the purpose of secondary recovery:

Pool Name: Hobbs; Grayburg -San Adres Lease/Unit Name: North Hobbs G/SA Unit Well No. 221 Loc.: 2310' FNL & 2310' FWL, Unit Letter F, Sec. 24, T-18-S, R-37-E, L'ea Co., NM Well No. 342 Loc: 145' FSL & 1435' FEL, Unit Letter O, S2c. 24, T-18-S, R-37-E, Lea Co., NM Well No. 432 Loc.: 2480' FSL & 1280' FEL, Unit Letter I, Sec. 24, T-18-S, R-37-E, Lea Co., NM Well No. 141 Loc.: 330' FSL & 330' FWL, Unit Letter M, Sec. 29, T-18-S, R-38-E, Lea Co., NM Well No. 241 Loc.: 330' FSL & 2310' FWL, Unit Letter N, Sec. 29, T-18-S, R-38-E, Lea Co., NM Well No. 112 Loc.: 200' FNL & 1310' FWL, Unit Letter D, Sec. 30, T-18-S, R-38-E, Lea Co., NM Well No. 233 Loc.: 2455' FSL & 1480' FWL. Unit Letter K, Sec. 30, T-18-S, R-38-E, LEA Co., NM Well No. 313 Loc.: 405' FNL & 2272' FEL, Unit Letter B, Sec. 30, T-18-S, R-38-E, Lea Co., NM Well No. 332 Loc.: 2470' FSL & 1600' FEL, Unit Letter J, Sec. 30, T-18-S, R-38-E, Lea Co., NM Well No. 412 Loc.: 760' FNL & 550' FEL, Unit Letter A, Sec. 30, T-18-S, R-38-E, Lea Co., NM Well No. 432 Loc,: 2260' FSL & 180' FEL, Unit Letter I, 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 infection rate is 4000 BWPD and the expected maximum injection pressure is approximately 805 psi. Interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040, S. Pacheco, Santa Fe, NM 87505 within fifteen (15) days. #16873

	30233			70700	20232				30231			30223			30222					30221			70101	20131			29122				29121	Name	Well
	Altura			2	Δltura				Altura			Altura			Altura					Altura			ָבָר בַּר	>  			Altura				Altura		Oper
	30-025- 28942			0000	30-025- 26935				30-025- 07479			30-025- 28555	_		30-025- 26833					30-025- 07462			00-020- 07 447	30 025 07447			30-025- 28953				30-025- 07449		API No.
	30 -		İ.	0	30				30 -18S			30 -			30 -					30 -18S			70	30			29 -				29 -		Sec.
	-18S			_ i_	-185			- 1	. 1			-18S			-18S							_		180			-18S				-18S		
	-38E			0	-38F				-38E			-38E	į		-38E					-38E			5	186			-38E	1			-38E		æ
	7			;	<u> </u>	-			7			71		-	<u> </u>	<u> </u> <del> </del>				П	_		-	-	-		m	<del> </del>			Ш	Ltr	5
	2//85			1000	12//80				7//30			7//84			10//80					4//30				10//30			02/06/1985				3//47	Date	Drill
	Prod				⊒.				Prod			Prod			٥					Prod				D Cod			Inj	-			Prod	Туре	Well
	4210				4519			CIBP	4015			4321		ב ק	4290					4279		(0,0,1)		4130		(CIBT)	4215				4275	PBTD	TD or
	4148				4138				4119			4139			4123					4072				4050			4154				3924	Perf	Top
	4240				4310			오	4200-56			4280			4302				유	4208-79			i	4210			4211				4275	Perf	Bot.
			46-0014	1196 01	4170-78				56					G7-77CH	3/18		4120-28	4081-4104	4023-25										4130-50	4110-20	4070-85	Perfs	Sqz.
8.625 5.5	13.375	ŭ	0.020	200	16	,	ഗ	7	9.625	5.5	8.625	16	0.0	0.020	16			4.5 Lnr	7	9.625	0	ת -	7	9 625	0.0	0.020	13.3/5	10 075	4.5 Lnr	7	9.625	Size	Csg.
						1	6.25	8.75	12.25				7.070	107.7	72.05	3		6.25	8.25	11.75	0.	6 125	8 75	12					6.25	8.75	12.25	Size	Hole
1507 4383	55	4000	1000	1800	40		4200	3930	2750	4394	1455	30	4348	5 6	1570			3799-4207	3852	2750	0	3870-4220	3976	2750	43/0	1010	1510	40	2900-4201	3104	2739	Depth	
620 1070		- 100	1 0	875	40		60	550	400	250	650		000	0 0	050	5		125	250	535		50	300	650	430	200	705		100	100	650	SXS	No. of
Circ	2	2014 CBL		Ciro	Circ		3193 CBL	604	1589	2496 CBL	Circ		2000 CBL	- 1	מ מ			3799	1500 CBL	787		3930		660	Circ			2	2900	2640 CBL	890	100	

5	8.75	-	· · · · · · · · · · · · · · · · · · ·												
9.625 12.25		9.													
4142-4225 13.375 17.5	13.375		N		4261	4009	4300	Prod	1//70	D	-38E	30 -18S	30-025- 23384	Altura 30	30412
4056-69	69	69	56	40	i										
4180-96 3.5 Lnr 4.75	3.5 Lnr	3	8	41											
	5.5		4164-70	41											
	9.625		4104-26		4276	4042	4202	Prod	3//74	0	-38E	30 -18S	30-025- 24665	Altura 30	30341
5.5	5.5	(F			$\perp$					+-					
8.625	8.625	.8													
13.375	13.375	13			4290	4137	4328	j.	2//85	د	-38E	30 -18S	30-025- 28955	Altura 30	30333
5.5 6.125	1	("													
92 7 8.75	92 7	92	4074-9	40											
72 9.625 12	72 9.625	72	4068-		4225	4014	4225	Prod	9//30	ل	-38E	30 -18S	30-025- 07472	Altura 30	30331
5 7			i									· -+			
7 8.75	-														
-60 9.625 11.75	9.625		4030-60		4196	4130	4257	Prod	7//30	G	-38E	30 -18S	30-025- 07467	Altura 30	30321
5.5	5.5														
8.625	8.625	œ					CIBP								
53	53	53	5805-		5951	5871	4065	Prod	11//69	Φ.	-38E	30 -18S	30-025- 23270	Altura 30	30313
7	7														
9.625	9.625	9.													
13.375	13.375	13		ω	4333	4215	4380	Prod	5//85	ω	-38E	30 -18S	30-025- 29197	Altura 3	30312
7 8.75	7 8			-											
9.625 11.75		9			(HO)	()	CIBP								
12.5 16					4121	3998-4121	3950	Prod	8//30	œ	-38E	30 -18S	30-025- 07469	Altura 3	30311
5 6.25														-	
7		3	4158												
9.625	7		118-		$\vdash$			Prod	9//30	z	-38E	30 -18S	30-025- 07480	Altura 3	l i
Size	9.625	ł	100	_	Pert	Ten	PBID	Туре	Date	בו	_				Φ ;
Csg. Hole	Size 8 9.625	$\vdash$	Dorf.	+	+	+	+			-				-	

×	7	CIRC								92							
3900	1035	4369		7		_				(73)							
Circ	500	1519		9.625				CIBP		15/24							
		40		13.375		4270	4106	4145	Prod		ס	-38E	30 -18S	28959	30-025- 2	Altura	30444
858	340	4370		5.5				CIBP									
440	425	1470		8.625		4247	4094	4185	5	1//85	ס	-38E	30 -18S		30-025- 28958	Altura	30443
Circ	1075	4510	7.875	5.5													
Circ	850	1606	12.25	8.625	4128-34										THE PARTY OF THE P		
Circ	40	40		16	4110-16	4257	4162	4420	Jŋ.	5//81	ס	-38E	30 -18S	27001	30-025- 2	Altura	30442
Circ	50	3847-4267		5.5 Lnr				_				+					
2624	300	3970	8.75	7													
365	650	2750	12	9.625		4200	4094	4267	Prod	8//30	ס	-38€	30 -18S	07473	30-025- (	Altura	30441
CR	350	4370		5.5													
CIRC	370	1490		8.625													
		55		13.375		4266	4110	4328	Prod	2//85	-	-38E	30 -18S		30-025- 28957	Altura	30432
CBL/Circ	009	3917	6.125	5.5													
2009 Calc	300	3975	8.75	7													
	650	2750	12	9.625	3975-4103	4229	4085	4213	Prod	9//30		-38E	30 -18S	07474	30-025- (	Altura	30431
2500 CBL	1000	4510	7.875	5.5													
Circ	850	1524	12.25	8.625													
Surf	40	40	20	16	4108-23	4265	4110	4477	<u>5</u> .	5//81	I	-38E	30 -18S	27059	30-025- 2	Altura	30422
Surf/CBL	450	4202	6.25	5								-					
Circ	250	3858	8.75	7		오							!				
554	600	2756	11.75	9.625	8	4202-58	4114	4258	Prod	7//30	I	-38E	30 -18S	07468	30-025- (	Altura	30421
	Sxs.	Depth	Size	Size	Perfs	Perf	Perf	PBTD	Туре	Date	Ltr						Name
	No. of		Hole	Csg.	Sqz.	Bot.	Тор	TD or	Well	Drill	Un	ת	ес.   Т	), Sec.	API No	Oper	Well

CIRC SEE PER # WI-443 WHILFIE: 20-025-28958 32-185-386

# Active Outside Operated wells within 1/2 mile radius of proposed 30-332 conversion

C.E. Seed	Seed St 30 #6	C.E. Seed	Seed St 30 #5	C.E. Seed	Seed St 30 #4	C.E. Seed		C.E. Seed	Seed St 30 #2	C.E. Seed	Seed St 30 #1		Getty	HD McKinley #9		Getty	HD McKinley #8		Exxon	Bowers A Fed. #		Exxon	Bowers A Fed. #		Exxon	Bowers A Fed. #	Oper	Well Name
	(1)		(1)		(1)		(3)		()		63			(1)			63			#38			#37			#29		
	30-025-		30-025-		30-025-		30-025-		30-025-		30-025-			30-025-			30-025-			30-025-			30-025-			30-025-		Ą
	22319		30-025- 22998		22997		30-025- 22996		22995		22994			23221			23151			28580			26485			23131		T NO.
	30		30		30		30		30		30			30			30						30	:		29		oec.
	30 -18S		-18S		-18S		-18S		-18S		-18S			-18S			-18S			30 -18S			-18S	1		-18S		-
	-38E		-38E		-38E		-38E		-38E		-38E			-38E			-38E			-38E		_	-38E			-38E		7
	7		7		$\overline{\lambda}$		7		7		7			G			エ				7		ס			٦	Ltr	2
	2//69		2//69		2//69		2//69		2//69		2//69			8//69			6//69			2//84			10//79			5//69	Date	<u> </u>
	Prod		Prod		Prod		Prod		Prod		Prod			Prod			Prod			Prod	7	_	Prod			Prod	Туре	V C
	45		45		45		45		45		45		CIBP	6961			5615		CIBP	6220			3918			6000	PBTD	2
ОН	10	오	10	오	10	CH	10	오	10	НО	10			5761			3676			5760			2637			5831	Perf	100
	45		45		45		45		45		45			6965			3754		오	7006			3556			5889	Perf	00.
																											Perfs	245
	7		7		7		7		7		7	7	9.625	13.375	5.5	8.625	13.375	0.0	10.75	13.38		5.5	8.625	4.5	8.625	11.75	Size	0.09
	8.5		8.5		8.5		8.5		8.5		8.5	8.75	12.25	17.5	7.875	1	17.5	7.875	12.25	17.5		7.625	12.25	7.875	1	15	Size	- 1010
	10		10		10		10		10		10	6999	3851	378	6057	3842	360	/000	4491	1476	$\rightarrow$		501	6000	3849	370	Depth	:
	2		2		2		2		2		2	650	1748	400	650	1400	340	990	1650	1220		850	400	450	500	300		1
	No data		No data		No data		No data		No data		No data	2700 TS	Circ.	Circ.	3300	SURF	SURF	4985	Circ.	Circ.		Circ.	Circ.	5087 'c'	1877 'c'	Surf 'c'	Toc	T
	<u></u> _		<u> </u>				1-1	_ !	<u> </u>		ш	100			PMX-131-15			1 A 4 A 4 A 4	*	<u> </u>				<u>1.5</u>	*		_	1.

# Active Outside Operated wells within 1/2 mile radius of proposed 30-332 conversion

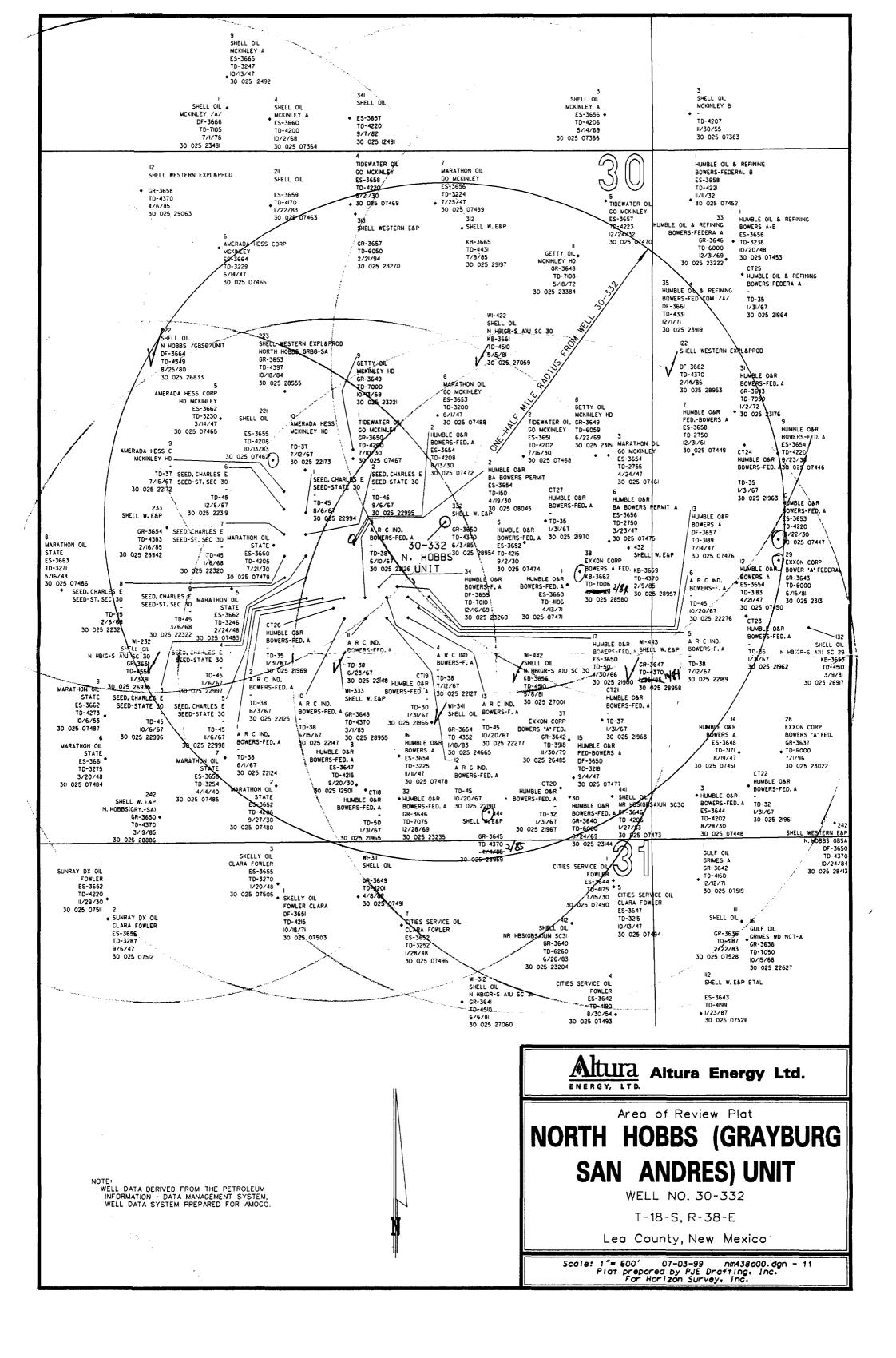
Well Name	API No.	Sec.	ec. 1	Z)	UU		-	Well TD or	Top	Bot.	Sqz.	Csg.	Hole	Denth		No. of
Oper					Ŀŧr	Date	l	Type PBTD	Perf	Perf	Perfs	Size	Size	Depth	1-	1,0
Seed St 30 #7	30-025- 22320		30 -188	S -38E	,	2//69	Prod	45	10	45		7	8.5	10	1	2
C.E. Seed									유							
															i	
Seed St 30 #8	30-025- 22321		30 -18S	S -38E	ハ ス	2//69	Prod	45	10	45		7	& 51	10		2
C.E. Seed							<del> </del>		오							
Seed St 30 #9	30-025- 22322		30 -18S	S -38E	7	2//69	Prod	45	10	45		7	8.5	10		2
C.E. Seed							-		오							
2+ #5	30-025- 07483	+	30 -18S	S -38E	<b>X</b>	2//48	Prod	3246	3155	3244		8.625	3	326		125
Saga Pet. LLC									НО			5.5	7	3155		1000
St #7	30-025- 07485	-	30 -18S	S -38E	z	4//48	Prod	3252	3171	3252		8.625	1	296		125
Saga Pet. LLC		+			_i				오			5.5	7	3171		900 Surf 'c'

APIN		Sec. T	Z	5	Dril	Vell	TD or	Тор	Bot.	Sqz.	Csg	Hole		No. of	
				근	Date	Туре	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	тос
30-025- 12	2501	30 -18S	-38E	0	9//30	PΑ	4268	3974	4268		12.5	18	210	210	Circ.
									오		9.625	12	2738	650	Circ.
											7	8.75	3974	300	1144 cbl
30-025- 08	3045	30 -18S	-38E		5//30	PA	242	No data	No data		12.5		242	225	Surf 'c'
			1	-									2	3	
	475	30 -188	-38E	<u> -</u>	11//30	PA	3190	3147	3190		12.5	1	21/	200	Surfic
								오			9.625	11.5	2750	650	Surf 'c'
										7-4-5	7	8.75	3147	120	2470 TS
30-025- 07	450	29 -18S	-38E	_	4//47	PA	3088	No data	No data		8.625	11	222	100	Surf 'c'
											5.5	7.875	3132	575	880 TS
	476	30 -18S	-38E	د	7//47	PA	3189	3148	3189		8.625		283	125	Surf 'c'
		3000						임			5.5	7 625	3150	1350	Surf 'c'
30-025- 07	478	30 <b>-18S</b>	-38E	0	10//47	PA	3225	3151	3221		8.625	1	262	150	Circ.
				-				오			5.5	7.625	3151	1000	Circ.
30-025- 07	471	30 <b>-18</b> S	-38E	-	11//30	PA	6000	5812	5922		9.625	11.5	2750	620	No data
				-							7	8.75	3962	528	
					1						4.5	6.25	6000	275	2200 TS
30-025- 07	477	30 -18S	-38E	ס	8//47	PA	3218	3158	3218		8.625	⇉	249	150	Circ.
								Н			5.5	7.625	3158	1250	Circ.
30-025- 21	900	30 -18S	-38E	د	10//66	PA	50	12	50		7	α .	12	თ	Circ.
				-				오							
	144	30 -18S	-38E	ס־	6//69	PA	6000	5356	5946		8.625		3836	1	2300 TS
											4.5	7.875	5988		2800 TS
	176	29 -18S	-38E		6//69	PA	7050	6075	6991		8.625	<u> </u>	3836	500	1858 'c'
			+	+							5.5	7.875	7038	i	3125 'c'
		07475 07475 07476 07477 07477 07477 07477 23176	12501 30 12501 30 08045 30 07475 30 07476 30 07478 30 07477 30 07477 30 07477 30 23144 30 23176 29	12501 30 -18S 12501 30 -18S 08045 30 -18S 07475 30 -18S 07476 30 -18S 07477 30 -18S 07477 30 -18S 07477 30 -18S 23176 29 -18S	No. Sec. F. R. Un. 12501 30 -18S -38E O.	No. Sec. I R Un 12501 30 -18S -38E O 08045 30 -18S -38E J 07475 30 -18S -38E J 07476 30 -18S -38E L 07477 30 -18S -38E J 07477 30 -18S -38E J 07477 30 -18S -38E P 23144 30 -18S -38E P 23176 29 -18S -38E E	No.   Sec.   R. Un   Drill     12501   30 -18S -38E   O   9//30     08045   30 -18S -38E   J   5//30     07475   30 -18S -38E   L   11//30     07476   30 -18S -38E   L   4//47     07477   30 -18S -38E   J   7//47     07477   30 -18S -38E   J   11//30     07477   30 -18S -38E   J   10//66     23144   30 -18S -38E   P   6//69     23176   29 -18S -38E   E   6//69	No. Sec. 1 R On Drill Well ID or Ltt Date Type PBTD 12501 30 -18S -38E O 9//30 PA 4268 O 9//30 PA 242 O 07475 30 -18S -38E L 4//47 PA 3190 O 07476 30 -18S -38E L 4//47 PA 3190 O 07477 30 -18S -38E D 1//47 PA 3225 O 07477 30 -18S -38E D 1//30 PA 6000 O 07477 30 -18S -38E D 8//47 PA 3218 O 07477 30 -18S -38E D 8//47 PA 3218 O 07477 30 -18S -38E D 8//47 PA 3218 O 07477 30 -18S -38E D 8//47 PA 3218 O 07477 30 -18S -38E D 8//47 PA 5000 O 07476 O 07478 O 07477 30 -18S -38E D 8//47 PA 5000 O 07477 30 -18S -38E D 8//47 PA 5000 O 07476 O 07477 O 07478 O 07477 O 07478 O 07477 O 07477 O 07478 O 07477 O 07478 O 07477 O 07478 O 07477 O 07477 O 07477 O 07478 O 07477 O	No.   Sec.	No. Sec. I R Un Unil Well ID or Top Part 12501 30 -18S -38E O 9//30 PA 4268 3974 12501 30 -18S -38E J 5//30 PA 242 No data 07475 30 -18S -38E L 4//47 PA 3190 3147 OH 07476 30 -18S -38E J 7//47 PA 3190 3148 OH 07478 30 -18S -38E J 7//47 PA 3189 3148 OH 07477 30 -18S -38E D 1//47 PA 3225 3151 OH 07477 30 -18S -38E D 1//30 PA 50 12 OH 23144 30 -18S -38E D 6//69 PA 6000 5356 OH 23176 29 -18S -38E E 6//69 PA 7050 6075	No.   Sec.	No. Sec. I K UIT Date Type PBITD Perit Perit Perits 12501 30 -185 -38E O 9//30 PA 4258 3974 4268  12501 30 -185 -38E J 5//30 PA 4258 3974 4268  08045 30 -185 -38E J 5//30 PA 242 No data No data  07475 30 -185 -38E I 11//30 PA 3190 3147 3190  07450 29 -185 -38E L 4//47 PA 3088 No data No data  07476 30 -185 -38E J 7//47 PA 3088 No data No data  07478 30 -185 -38E J 7//47 PA 325 3151 3221  07477 30 -185 -38E D 1//30 PA 3225 3151 3221  07477 30 -185 -38E D 1//30 PA 6000 5812 5922  21900 30 -185 -38E D 8//47 PA 3218 3158 3218  23144 30 -185 -38E P 8//47 PA 5000 5356 5946  23176 29 -185 -38E E 6//69 PA 7050 6075 6991	No.   Sec.   R.   Un.   Unit   Well   LU or   Lop   Bott.   Sqz.   Csg.   Csg	No.   Sec.	No.   Sec

No data	ω	10	7.875	7		38	16 오	38	PA	6//67	C	-38E	-18S	30	22147	30-025-	Bowers Fed. A #10 ARC Ind.
																	Exxon
								35	PA	1//67		-38E	-18S	30	21970	30-025-	Bowers A Fed. #CT27
																	Exxon
								35	PΑ	1//67		-38E	-18S	30	21969	30-025-	Bowers A Fed. #CT26
					,												Exxon
					5			35	PA	1//67		-38E	-18S	29	21963	30-025-	Bowers A Fed. #CT24
				Z	>_	1											Exxon
						0		35	PA	1//67		-38E	-18S	29	21962	30-025-	Bowers A Fed. #CT23
					7												Exxon
		•			$\langle$			37	PΑ	1//67		-38E	-18S	30	21968	30-025-	Bowers A Fed. #CT21
										:							LAXOIT
	X	7			7			1		17.0		6		9	1	000	
	2			$\lambda$				33	D A	1//67		-38 T	-18S	30	21967	30-025-	Bowers A Fed #CT20
																	Exxon
								30	PA	1//67		-38E	) -18S	30	21966	30-025-	Bowers A Fed. #CT19
	-																Exxon
							anni di W	50	PA	1//67		-38E	-18S	30	21965	30-025-	Bowers A Fed. #CT18
2002 'c'	300	3976	8.75	7													
ļ	650	2750	1	9.625													Exxon
) Surf 'c'	250	226	17	12.5			No data	4259	PA	8//30	ш	-38E	-18S	29	07446	30-025-	Bowers A Fed. #9
01	895	7053	8.75	7													
2900	550	3850	1	9.625	6974-82												Exxon
		385	17.5	13.375	5887-01	5964	5825		PΑ	8//69	0	-38E	188	30	23235	30-025-	Bowers A Fed. #32
		Depth	Size	Size	Perfs	Perf	Perf	PBTD	Туре	Date	Ltr						Oper
of	No. of		Hole	Csg.	Sqz.	Bot.	Top	TD or	Well	Drill	υ	٦ ري	<u>-</u>	Sec.	API No.	ĄF	Well Name

2992	600	3130	6.75	5.5			오										Amerada
Circ.	200	432	9.875	7.625		3206	3197	3230	PA	3//47	П	-38E	-18S	30	07465	30-025-	HD McKinley #5
498 'c'	200	3178	6.875	5.5			오										Getty
Circ.	400	1474	1	8.625		3200	3178	3200	PA	6//47	ភ	-38E	-18S	30	. 07488	30-025-	H.D. Mckinley #6
2595 'c'	100	3166	8.25	7			오										Getty
337 'c'	600	2755	12.25	9.625		3199	3166	3199	PA	7//30	エ	-38E	-18S	30	07461	30-025-	H.D. Mckinley #3
							오										ARC Ind.
No data	ω	10	6.75	5.5		45	10	45	PA	10//67	с.	-38E	30 -18S		22276	30-025- 22276	F.A Bowers #6
							오										ARC Ind.
No data	ω	10	6.75	6.625		38	10	38	PA	7//67	د	-38E	0 -18S	30	- 22189	30-025-	F.A Bowers #5
						!	유	:									ARC Ind.
No data	ω	10	6.75	6,625		38	10	38	PA	7//67	ے	-38E	30 -18S	-	2212,	30-025- 22127	F.A Bowers #4
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							P.							-			ARC Ind.
No data	ω	10	6.75	5.5		45	10	45	PA	10//67	ے	-38E	0 -18S	7 30	- 22277	30-025-	F.A Bowers #13
2027 'c'	300	3987	8.75	7						:			-	<u>;</u>			
Surf 'c'	650	2716	12.25	9.625			오										Exxon
No data	225	235		15.5		4239	4181	4239	PA	9//32	O	-38E	9 -18S	2 29	0745	30-025- 07452	Bowers Fed. B #1
							오										ARC Ind.
No data	3	10	7.785	7		38	10	38	PA	6//67	ر	-38E	30 -18S		- 22126	30-025-	Bowers Fed. A #3
							오										ARC Ind.
No data	ω	10	6.75	6.625		38	10	38	PA	6//67	د	-38E	30 -18S		- 22125	30-025-	Bowers Fed. A #2
							오										ARC Ind.
No data	ω	10	6.75	6.625		45	10	45	PA	10//67	ے	-38E	30 -18S	-	- 2219	30-025- 22190	Bowers Fed. A #12
							9				1		-		-		ARC Ind.
No data	3	10	6.75	6.625		38	10	38	PΑ	6//67	ے	-38E	30 -18S		- 22148	30-025-	Bowers Fed. A #11
700	Sxs.	Depth	Size	Size		Perf	Perf	PBTD	Туре	Date	Ltr						Oper
	No. of		Hole	Csg.	. Sqz.	Bot.	Top	TD or	Well	Drill	U	R	). T	Sec.	API No.	AF	Well Name

Well Name	API N	API No. Sec.		-	⊣ 70	S	Drill	Vell	TD or	Un Drill Well TD or Top	Bot.	Sqz.	Csg.	Hole		No. of	
Oper						ᄕ	Date	Туре	PBTD	Ltr Date Type PBTD Perf	Perf	Perfs	Size	Size	Depth Sxs.	Sxs. TOC	
McKinley #10	30-025- 22173   30 -185 -38E F	173	30 -	.18S	-38E	F	6//67	PΑ	37	6//67 PA 37 10-37 OH			5.5	6.75	10	1YD No data	
Amerada															_		
McKinley #9	30-025- 22	172	30	18S	-38E	П	6//67	PA	37	30-025- 22172 30 -18S -38E F 6//67 PA 37 10-37 OH			5.5	6.75	10	1 YD	No data
Amerada																	



Page: 1 Document Name: untitled

CMD : ONGARD

OG6IWCM INQUIRE WELL COMPLETIONS

12/20/99 14:10:39 OGOMWA -TPRC

API Well No : 30 25 28580 Eff Date : 11-01-1999 WC Status : A

Pool Idn : 31680 HOBBS; UPPER BLINEBRY
OGRID Idn : 113315 TEXLAND PETROLEUM INC

Prop Idn : 25070 BOWERS A FEDERAL

Well No : 038 GL Elevation: 3647

U/L Sec Township Range North/South East/West Prop/Act(P/A)

--- --- ------

B.H. Locn : I 30 18S 38E FTG 2080 F S FTG 560 F E A

Lot Identifier:

Dedicated Acre: 40.00

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06

PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

Date: 12/20/1999 Time: 02:26:04 PM



### STATE OF NEW MEXICO

### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

### OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

GOVERNOR

12/10/99

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501	
RE: Proposed:  MC DHC NSL NSP SWD WFX PMX  PMX  The world of the world	
Gentlemen:	
I have examined the application for the:  Altura Energy Ltd. NHobbs GR/SA Unit 332-J-3D. Operator Lease & Well No. Unit S-T-R 3D-025.	18-38 25951
OK	
Yours very truly,	

/ed

Chris Williams

Supervisor, District 1