121



20 North Broadway, Suite 1500 Oklahoma City, Oklahoma 73102-8260 Telephone 405/235-3611 FAX 405/552-4550

July 10, 1997

State of New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Santa Fe. NM 88505

1

Attention: Ben Stone

RE: East Shugart Unit #'s 56 & 58 Section 35-T18S-R31E

Eddy County, New Mexico

Gentlemen:

Enclosed please find our Application for Authorization to Inject for each of the above captioned wells.

Devon Energy Corporation also requests that the maximum injection pressures for these wells be higher than .2 psi per foot of depth to the uppermost injection perforation. This request is based on the data in Table I which shows the frac gradients obtained from stimulation treatments on wells in the area. Figure I is a map showing the location of the proposed injectors and the wells used in this study.

The frac gradient is used to calculate the maximum surface injection pressure (injection wellhead pressure gradient x depth to the uppermost perforation = maximum surface injection pressure) that can be attained without fracturing the formation. Provided the calculated wellhead pressure gradient is not exceeded, the formation cannot be fractured and injection fluids will be contained in the formation. This has been confirmed through injection surveys run on existing injection wells in the unit.

Based on the attached information, Devon respectfully request that the **maximum** wellhead pressure gradient for the proposed injection wells be .49 psi per foot of depth to the uppermost perforation. This is the average for the eight wells in the area of interest. We will also periodically run injection surveys to ensure that injection is confined to the Queen formation.

If you have any questions, please give me a call at 405-552-4509.

Sincerely,

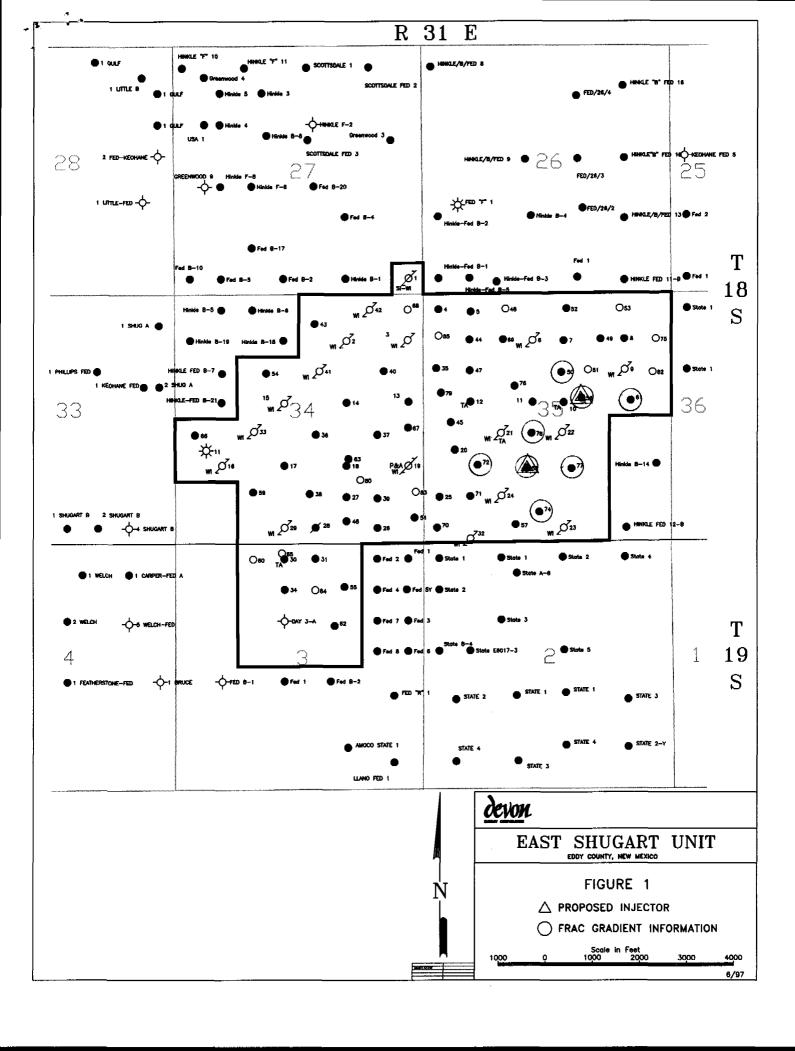
Ernie Buttross District Engineer

c:\esuipmt

TABLE I
INJECTION WELLHEAD PRESSURE GRADIENTS
EAST SHUGART UNIT

PROPOSED INJECTORS	OFFSET WELLS	TREATMENT ISIP	TOP PERF	FRAC GRADIENT PSI/FT	WELLHEAD PRESSURE GRADIENT PSI/FT
East Shugart Unit #56		1300	3591	0.82	0.35
	ESU #50	1760	3578	0.95	0.48
	ESU #61	2050	3563	1.04	0.57
	ESU #78	1247	3460	0.82	0.35
East Shugart Unit #58		1580	3686	0.89	0.42
	ESU #72	1927	2744	1.16	0.69
	ESU #74	1380	3457	0.86	0.39
	ESU #77	2312	3274	1.17	0.70

Average 3419 0.96 0.49



20 North Broadway, Suite 1500 Telephone:405/235-3611 Oklahoma City, Oklahoma 73102-8260

CERTIFIED MAIL # P 240 501 627

July 10, 1997

Re: Application for Authorization to Inject East Shugart Unit #'s 56 & 58 Eddy County, NM

State of New Mexico
Oil Conservation Division
Attn: Ben Stone
2040 S. Pacheco St.
Santa Fe, NM 87505

Enclosed are the original and 1 copy of our Application for Authorization to Inject (Form C-108) for the above referenced wells in Eddy County. I also sent a copy of this application to the Artesia district office and the Bureau of Land Management office in Carlsbad. Please direct any inquiries concerning this application to our area district engineer, Ernie Buttross at (405) 552-4509.

Sincerely yours,

Devon Energy Corporation (Nevada)

Karen Byers

Karen Byers

Engineering Technician

/kb Enclosures

cc: OCD - Artesia District Office BLM - Carlsbad Office 7/14/97 _ 9/29/97 _ BS _ W _ WFX

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -ADMINISTRATIVE APPLICATION COVERSHEET THIS COVERSMEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS **Application Acronyms:** [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Satt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] TYPE OF APPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling 1 1 ☐ NSP □ NSL Check One Only for [B] or [C] Commingling - Storage - Measurement ☐ CTB ☐ PLC ☐ PC ☐ DHC OLS □ OLM Injection - Disposal - Pressure Increase - Enhanced Oil Recovery ☑ WFX ☐ PMX □ SWD ☐ IPI ☐ EOR NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [2] ☐ Working, Royalty or Overriding Royalty Interest Owners [B] ☑ Offset Operators, Leaseholders or Surface Owner [C] Application is One Which Requires Published Legal Notice D ☐ Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office For all of the above, Proof of Notification or Publication is Attached, and/or, Œ [F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any ornission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

E. L. Buttross, Jr.
Print or Type Name

District Engineer

7/3/97 Date

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? Yes X No
II.	OPERATOR: Devon Energy Corporation (Nevada)
	ADDRESS: 20 N. Broadway, Suite 1500, Oklahoma City, OK 73102
	CONTACT PARTY: E. L. Buttross, Jr. PHONE: (405)552-450
III.	WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project: X Yes No If yes, give the Division order number authorizing the project WFX-664
٧.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
*VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/1 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 source of drinking water.
XШ.	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: E. L. Buttross, Jr. TITLE: District Engineer
	SIGNATURE: E.L. Belliose Jr. DATE: 7/3/97
+	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 circumstance of the earlier submittal.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

DEVON ENERGY CORPORATION APPLICATION FOR AUTHORITY TO INJECT

III Proposed Water Injection Well Data:

A.

1. East Shugart Unit #56 2250' FNL & 1910' FEL Sec. 35-18S-31E Eddy County, NM

2. Surface Casing: 8 5/8", 24#/ft, set @ 949', cement to surface w/500 sxs.

Production Casing: 5 1/2", 15.5#/ft, set @ 4072', cement to surface w/1050 sxs.

(Also see current & proposed wellbore schematics)

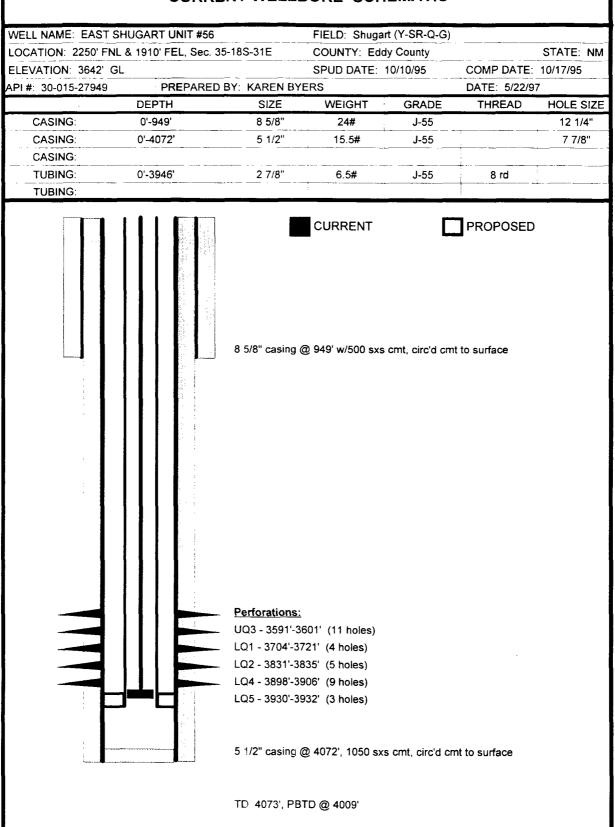
3. Tubing: 2 3/8" plastic coated, set @ 3500'.

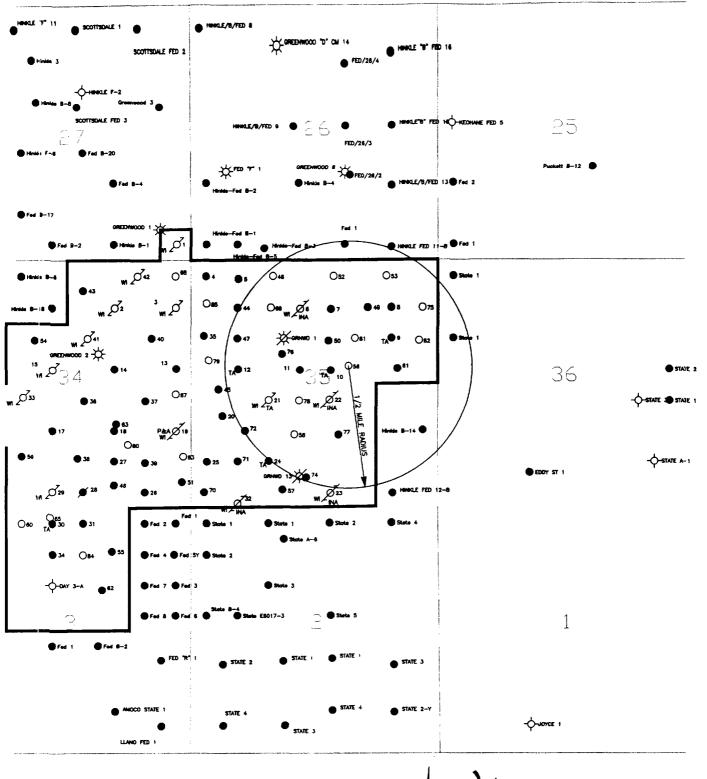
4. Packer: 5 1/2" x 2 3/8" Loc-set pkr will be set @ 3500'.

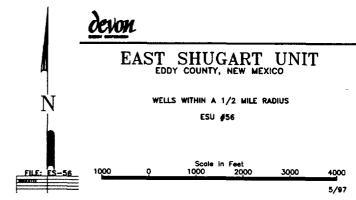
В.

- 1. Injection formation: Queen sands in the Shugart field (Y-SR-Q-G).
- 2. Injection interval: (current perfs 3591'-3932').
- 3. Original purpose of well: Oil producer from the Queen sands
- 4. Other perfs: none
- 5. Depths & names of higher and lower oil or gas zones: The top of the Queen formation is approximately 3400'. There are no known upper or lower oil formations.

DEVON ENERGY CORPORATION CURRENT WELLBORE SCHEMATIC







East Shugart Unit #56 con't

VII Proposed Operation Data:

- (1) Average daily injection rates 500 700 BWPD Maximum daily injection rates 700 BWPD
- (2) Type of injection system closed system
- (3) Average injection pressure 1350 psig Maximum injection pressures - 1800 psig
- (4) Injection water will be produced water from the East Shugart lease. Some additional water may come from offset leases.
- (5) Injection is not for disposal purposes.

VIII Geological Data:

Geological Name: Queen formation

Lithological Detail: Sand & dolomite

Formation Top: 3392'

Thickness: 560'

Geological Data of Drinking Water Zone: No fresh water zones exist.

IX <u>Stimulation Program:</u>

The proposed injection interval will be acidized with 15% NEFE acid prior to initial injection.

X Well Logs:

Copies of current well logs are on file with Oil Conservation Division.

East Shugart Unit #56 con't

XI Chemical Analysis of Fresh Water:

There are no known producing fresh water wells within one mile of a proposed injection well.

XII Affirmative Statement of Open Faults:

Upon examination of the available geologic and engineering data, no evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered in the East Shugart Unit.

XIII "Proof of Notice" and "Proof of Publication":

The Bureau of Land Management is the surface owner. They have been notified of our application by certified letter with a copy of this application attached. Proof of notice to follow.

Offset operators in the "area of review" are as follows:

Operator	Well Name	Unit Letter	Location S-T-R
Headington Oil	Federal "26" #1	0	26-18S-31E
Keohane Saunders, etal	Hinkle Federal "B" #7	0	35-18S-31E
Westall-Mask	Hinkle Federal #11-B	Р	26-18S-31E
	Hinkle Federal #12-B	Р	35-18S-31E
	Hinkle Federal B #14	1	35-18S-31E
	State A #6	С	2-19S-31E
Amoco Production	Greenwood PGU Fed G #13	Ν	35-18S-31E
	Greenwood UT Fed #12	F	35-18S-31E
Ray Westall	State #1	С	2-19S-31E
	State #2	В	2-19S-31E
Keohane & Westall	State "2" #1	D	2-19S-31E
Texaco, Inc	State CK #1	Е	36-18S-31E

Each of the offset operators was provided a copy of the application by certified mail. Proof of notice is attached.

[&]quot;Proof of Publication" from the Carlsbad Current-Argus to follow.

DEVON ENERGY CORPORATION APPLICATION FOR AUTHORITY TO INJECT

III Proposed Water Injection Well Data:

A.

1. East Shugart Unit #58 1575' FSL & 2200' FWL Sec. 35-18S-31E Eddy County, NM

2. Surface Casing: 8 5/8", 24#/ft, set @ 949', cement to surface w/300 sxs.

Production Casing: 5 1/2", 15.5#/ft, set @ 4087', cement to surface w/975 sxs.

(Also see current & proposed wellbore schematics)

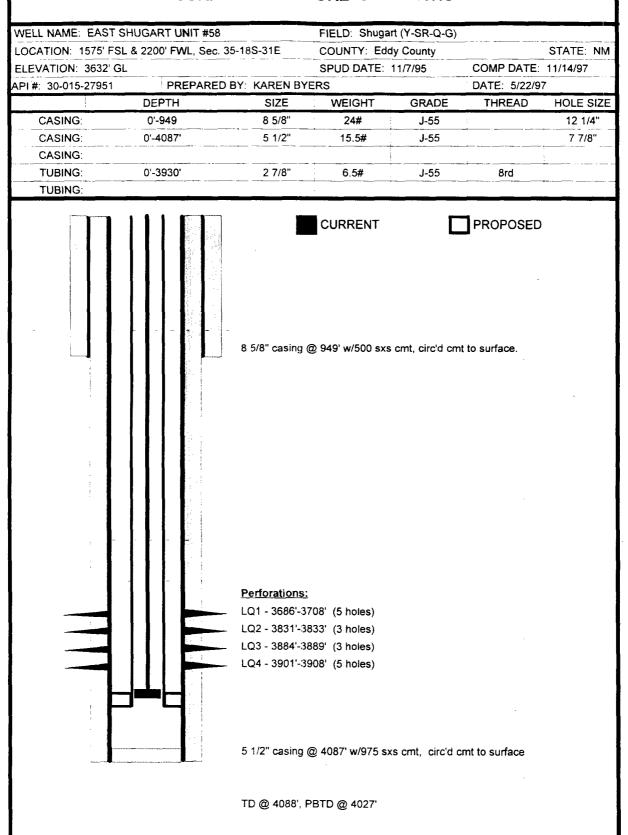
3. Tubing: 2 3/8" plastic coated, set @ 3300'.

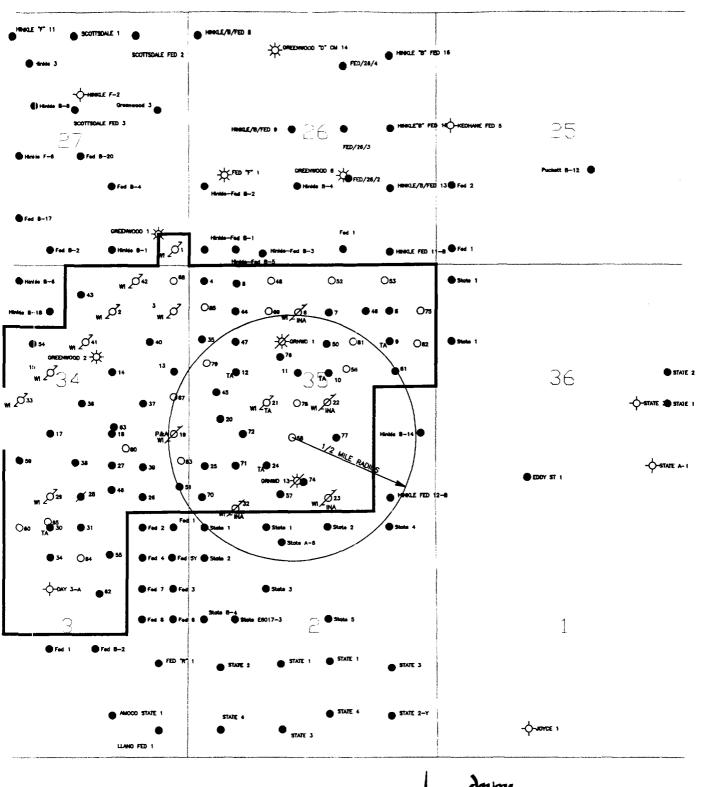
4. Packer: 5 1/2" x 2 3/8" Loc-set pkr will be set @ 3300'.

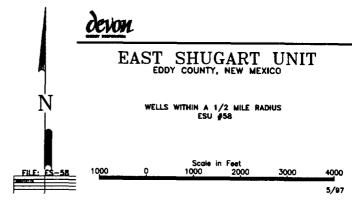
В.

- 1. Injection formation: Queen sands in the Shugart field (Y-SR-Q-G).
- 2. Injection interval: (perfs 3362'-3908').
- 3. Original purpose of well: Oil producer from the Queen sands
- 4. Other perfs: none
- 5. Depths & names of higher and lower oil or gas zones: The top of the Queen formation is approximately 3360'. There are no known upper or lower oil formations.

DEVON ENERGY CORPORATION CURRENT WELLBORE SCHEMATIC







East Shugart Unit #58 con't

VII Proposed Operation Data:

- (1) Average daily injection rates 500 700 BWPD Maximum daily injection rates 700 BWPD
- (2) Type of injection system closed system
- (3) Average injection pressure 1350 psig Maximum injection pressures - 1800 psig
- (4) Injection water will be produced water from the East Shugart lease. Some additional water may come from offset leases.
- (5) Injection is not for disposal purposes.

VIII Geological Data:

Geological Name: Queen formation

Lithological Detail: Sand & dolomite

Formation Top: 3368'

Thickness: 585'

Geological Data of Drinking Water Zone: No fresh water zones exist.

IX Stimulation Program:

The proposed injection interval will be acidized with 15% NEFE acid prior to initial injection.

X Well Logs:

Copies of current well logs are on file with Oil Conservation Division.

East Shugart Unit #58 con't

XI Chemical Analysis of Fresh Water:

There are no known producing fresh water wells within one mile of a proposed injection well.

XII Affirmative Statement of Open Faults:

Upon examination of the available geologic and engineering data, no evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered in the East Shugart Unit.

XIII "Proof of Notice" and "Proof of Publication":

The Bureau of Land Management is the surface owner. They have been notified of our application by certified letter with a copy of this application attached. Proof of notice to follow.

Offset operators in the "area of review" are as follows:

Operator	Well Name	Unit Letter	Location S-T-R
Headington Oil	Federal "26" #1	0	26-18S-31E
Keohane Saunders, etal	Hinkle Federal "B" #7	Ō	35-18S-31E
Westall-Mask	Hinkle Federal #11-B	Р	26-18S-31E
	Hinkle Federal #12-B	Р	35-18S-31E
	Hinkle Federal B #14	1	35-18S-31E
	State A #6	С	2-19S-31E
Amoco Production	Greenwood PGU Fed G #13	Ν	35-18S-31E
	Greenwood UT Fed #12	F	35-18S-31E
Ray Westall	State #1	С	2-19S-31E
·	State #2	В	2-19S-31E
Keohane & Westall	State "2" #1	D	2-19S-31E
Texaco, Inc	State CK #1	E	36-18S-31E

Each of the previous operators was provided a copy of the application by certified mail. Proof of notice is attached.

[&]quot;Proof of Publication" from the Carlsbad Current-Argus to follow.

WELL NAME	LOCATION	SPUD DATE	COMP DATE	WELL TYPE	DEPTH/PBTD	COMPLETION RECORD
East Shugart Unit #9	1650' FNL & 990' FWL	2/19/59	5/9/2	liO	3908	8 5/8" @ 800' w/50 sxs cmt. Est. TOC @ 730'
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2" @ 3906' w/100 sxs cmt. Est TOC @ 3372'
						Perfd 3404'-3895'.
						Squeezed 3148:-3159'. TOC @ 2230' (CBL). Perf'd 3404'-3497'.
					3908/3350'	Set CIBP # 3350'.
			3/8/96	wiw	3908,	Converted to WIW. Pkr @ 3330'.
East Shugart Unit #10	2310' FNL & 2310' FEL	5/2/57	9/15/57	ĬŌ	3930/3926'	8 5/8" @ 925' w/100 sxs cmt. Est TOC @ 701'. Squeezed @ 400'
Oper: Devon Energy Corp.	Sec. 35-18S-31E					w/50 sxs cmt.
					Acceptance	7" @ 3640' w/100 sxs cmt. TOC @ 2350' (CBL 11/89) .
						4 1/2" liner @ 3600:3930', cmt'd w/50 sxs. TOC @ liner top.
			A TO A STATE OF THE STATE OF TH			Perfs 3381'-3925'
				-		
East Shugart Unit #11	2310' FNL & 2310' FEL	3/1/58	5/13/58	ΙΙΌ	3985	8 5/8" csg @ 910' w/50 sxs cmt. Est TOC @ 798'.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					7" csg @ 3918' w/125 sxs cmt. Calc. TOC @ 2291' (30% excess)
						before squeeze.
				and the second second		Perfd 3812'-3909'.
						Squeezed 2712'-2714' w/100 sxs. Squeezed 2168'-2170' w/425 sxs.
						Added perfs 2720'-2856' & 3375'-3478'
						Squeezed perfs 2720'-2856'.
East Shugart Unit #12	2310' FNL & 990' FWL	8/30/57	12/3/57	Oil	3925'	8 5/8" @ 904' w/50 sxs cmt. Est TOC @ 792'
Oper: Devon Energy Corp.	Sec. 35-18S-31E					7" @ 3925' w/135 sxs cmt. TOC @ 2572' (CBL 7/68).
						Perfd 3554'-3564' & 3870'-3884'.
						Squeezed 2540'-2541' w/60 sxs cmt.
						Perfd 2694'-2868' & 3350'-3473'. Set BP @ 2950'.
			871718	TA'd	3925/2650'	Set BP @ 2650'.
			The second secon			

CAONDI ETION RECORD	8 5/8" @ 920' w/50 sxs cmt. Est. TOC @ 760'.	7" @ 2695' w/100 sxs cmt. Est. TOC @ 1287'.	Open hole 2695'-2857'.	Deepened. 4 1/2" @ 3477' w/100 sxs cmt.	Perfd 3390'-3445'.	Converted to VM. Perfd Yates 2706'-2842' & Queen 3324'-3336'.	Deepened. Open hole 3477-3870'.	Plugged & abandoned due to csg leak.	10" @ 903' w/50 sxs cmt. TOC @ surface.	6 5/8" @ 3000' w/100 sxs. TOC @ 2190' (CBL) before squeeze.	5 1/2" liner f/2930'-3327' w/est. 25 sxs. TOC @ top of liner (CBL)	Open hole 3327'-4088'.	Squeezed 2869'-2870' w/165 sxs cmt. TOC @ 1993 (CBL).	Perfd Yates 2733'-2822'.	8 5/8" @ 915' w/50 sxs cmt. Est. TOC @ 803'.	7" @ 4000' w/100 sxs cmt. TOC @ 2622' (CBL 5/66)	Perfd 3564'-3898'.	Set CIBP @ 3510'. Perfd 3370'-3495'. Squeezed @ 2888'-2889'	w/75 sxs cmt. Squeezed @ 2750'-2751' w/70 sxs cmt. Perfd	2773'-2918'. Completed as Dual WIW.	Drilled out CIBP @ 3510' & cleaned out to 3913'. Converted back	to oil producer.	Temporarily abandoned.	Set CIBP @ 2725'.		
DEPTH/PRTD	2857' 8	7	0	3477' D	۵	Q	3870' D	<u>a</u>	4088'	9	S	0	S	۵	4018'/3928'	.2	d	4018'/3510' S			4018/3913' D		<u>T</u>	4018/2725' S		
WELL TYPE	IIO			iō		Dual WIW	liO	P&A'd	ΙΘ				ĪŌ		Ō			Dual WIW			ō		TA	TA		
COMPIDATE	7/15/45			1/22/57		5/1/66	9/1/69	12/2/80	2/20/38				2/15/69	4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10/26/57			5/27/66			8/15/69		2/1/71	8/16/79		
SPUD DATE	5/12/45								7/30/37						8/6/57			and the state of t								
LOCATION	1650' FSL & 330' FEL	Sec. 34-18S-31E							1980' FSL & 660' FWL	Sec. 35-18S-31E		- 1			2310' FSL & 1650' FWL	Sec. 35-18S-31E										
WELL NAME	East Shugart Unit #19	Oper: Devon Energy Corp.							East Shugart Unit #20	Oper: Devon Energy Corp.					East Shugart Unit #21	Oper: Devon Energy Corp.									The state of the s	

WELL NAME	LOCATION	SPUD DATE	COMP DATE	WELL TYPE	DEPTH/PBTD	COMPLETION RECORD
East Shugart Unit #22	2310' FSL & 2310' FEL	11/25/58	2/13/59	ĪŌ	3945'	8 5/8" @ 940' w/50 sxs. Est TOC @ 828'
Oper: Devon Energy Corp.	Sec. 35-18S-31E					7" @ 3940' w/150 sxs. Calc. TOC @ 2461' (30% excess).
						Perfs 2772'-3842'.
			10/10/69	Dual WIW	3945/3940'	Perfs 2860'-2875' & 3391'-3912'.
			1/19/96	Single WIW		Set CIBP @ 3332'. Set 4 1/2" 10.5# liner @ 3332' w/325 sxs.
						Circ'd cmt to surface. Drld out cmt & CIBP @ 3332'. Injecting
The state of the s		A STATE OF THE STA				into perfs 3391'-3912'
A the County of the Anna	220/ ECT 9 2220/ EET	09/17/6	79/2//	ē	10001	O CHOR (A TON) WIEN A TON (A CTA)
East Shugart Office #4.5	330 FSL & 2323 FEL	001110	00/01/7	5	5804	0 3/0 10 103 W 30 343. EST. 100 10 0/11.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					7" @ 3530' w/100 sxs. TOC @ 2302' (CBL).
						4 1/2" liner f/3000' to 4080' w/90 sxs. TOC @ top of liner.
						Open hole 4080'-4093'.
			10/8/69	_	4093'/3950'	
	o year a manananana anananana		1/28/96	Single WIW	4093/3917	4 1/2" tie-back liner @ 2990' w/250 sxs. Circ'd cmt to surface.
						Pushed CIBP to 3949'. Perfd 3561'-3914'. Inj interval 3362'-
		The state of the s				3914.
East Shugart Unit #24	990' FSL & 1650' FWL	2/2/57	4/8/57	liO	3520′/3480′	8" @ 923' w/50 sxs. Est. TOC @ 800'.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					7" @ 3400' w/100 sxs. Est. TOC @ 2194' (CBL).
						Perfs 3350-3370'
			69/06/2		3930/3928'	4 1/2" liner f/3084'-3930' w/100 sxs. TOC @ top of liner.
			The state of the s			Squeezed 8 5/8" x 7" annulus w/200 sxs cmt. Perf'd 2756'-2804' &
						3355-3897.
			8/8/28	TA		CIBP @ 2675'.
			3/1/96	WW		Drid out CIBP @ 2675'. Ran CIBP @ 3150', ran 4 1/2" tie-back
	10.00					liner to 3084' w/300 sxs, circ'd cmt to surface. Pushed CIBP to
						3928'. Perfd 3815'-3897'. Inj interval 3355'-3879'.
				-		

WELL NAME	LOCATION	SPUD DATE	COMP DATE	WELL TYPE	DEPTH/PBTD	COMPLETION RECORD
East Shugart Unit #25	990' FSL & 330' FWL	7/23/56	10/11/56	Öil	3900,	8" @ 907' w/50 sxs Est TOC @ 766'.
Oper: Devon Energy Corp.	Sec. 35-18S-31E			The state of the s		7" @ 2700' w/50 sxs. Est. TOC @ 1770'. Knocked off @ 2700' & pulled.
						4 1/2" @ 3900' w/100 sxs. TOC @ 2700' (CEL).
The state of the s						Perfd 3857:-3869'. Set plug @ 3472' & perfd 3400'-3460'.
	The second like solution is off expert 1. Its many distributions.		10/5/69	liO		Perfd @ 2697' & squeezed 8 5/8" x 4 1/2" annulus w/500 sxs.
						Perfd 3535'-3668' & 2697'-2772'.
East Shugart Unit #32	100' FSL & 990' FWL	9/23/69	10/9/69	Dual WIW	3978'/3943'	8 5/8", 24# @ 630' w/400 sxs. Circ'd cmt to surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					4 1/2", 9.5# @ 3978' w/450 sxs. TOC @ 2050' (temp svy).
						Perfd 2744'-2829' & 3352-3891'.
			5/21/82	Single WIW		Squeezed perfs 2744:-2829' w/500 sxs cmt. Squeezed annulus
			7777			f/1987' w/1150 sxs cmt. Cemented behind 4 1/2" via 3/4" tbg
						w/500 sxs. TOC @ surface.
The state of the s			3/26/96	WIW		Perfd 3794'-3895'. CIBP @ 3288'. 3 1/2" liner @ 3287' w/100 sx.
						Circ'd cmt to surface. Drld out cmt & CIBP.
	- 10	THE REAL PROPERTY OF THE PARTY				
East Shugart Unit #44	990' FNL & 990' FWL	11/9/93	1/10/94	ΙΙΌ	4025/3958	8 5/8", 24# @ 956' w/478 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2", 15.5# @ 4025' w/916 sxs. TOC @ surface.
						Perfd 3794*-3870'.
East Shugart Unit #45	2550' FSL & 580' FWL	6/21/94	9/1/94	ō	4017'/3930'	8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2", 15.5# @ 4016' w/940 sxs. TOC @ surface.
						Perfd 2710'-3881'.
East Shugart Unit #46	480' FSL & 1650' FEL	7/16/94	12/18/94	JiO	3952'/3885'	8 5/8", 24# @ 946' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 34-18S-31E					5 1/2", 15.5# @ 3951' w/1058 sxs. TOC @ 1515'.
						Perfd 3393'-3844'.
Total Control of the						

DATE COMP DATE WELL TYPE DEPTH/PBTD COMPLETION RECORD	1/6/95 Oil 4040/3955'	5 1/2", 15.5# @ 4025' w/1410 sxs. TOC @ surface.	Perfd 2731-3870.		194 12/8/94 Oil 4044/3990' 8 5/8"; 24# @ 949 w/500 sxs. TOC @ surface.	5 1/2", 15.5# @ 4043' w/900 sxs. TOC @ surface.	Perfd 3712-3880'	94 7/23/94 Oil 4062/3995' 8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.	5 1/2", 15.5# @ 4060' w/1010 sxs. TOC @ 494'.	Perfd 3871:-3896' & 3578'-3822'.	94 7/31/94 Oil 4030/3966' 8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.	5 1/2", 15.5# @ 4030' w/953 sxs. TOC @ surface.		/95 10/18/95 Oil 4036//3972' 8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.	5 1/2", 15.5# @ 4035' w/975 sxs. TOC @ surface.	Perfd 3701'-3875'.	11/30/95 Oil 4073/4009' 8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.	5 1/2", 15.5# @ 4072' w/1050 sxs. TOC @ surface.	Perfd 3591'-3932'	11/13/94 Oil 4073/3990'	5 1/2", 15.5# @ 4072' w/1310 sxs. TOC @ surface.	Perfd 3795'-3877' & 3348'-3516'.	
WELL TYPE	ĪΘ				ĪŌ			liO			ĪŌ			liO			ΙΘ̈́Ο			ĪŌ	100 000 000 000 000 000 000 000 000 000		
SPUD DATE COMP DA	 9/14/94 1/6/95				9/22/94 12/8/94			6/30/94 7/23/94						10/1/95 10/18/95			10/10/95 11/30/95			9/30/94 11/13/94			
LOCATION	1650' FNL & 990' FWL	Sec. 35-18S-31E		With the second	990' FNL & 1500' FEL	Sec. 35-18S-31E		1700' FNL & 2335' FEL	Sec. 35-18S-31E		550' FSL & 200' FEL	Sec. 34-18S-31E		330' FNL & 2230' FEL	Sec. 35-18S-31E		2250' FNL & 1910' FEL	Sec. 35-18S-31E		375' FSL & 1980' FWL	Sec. 35-18S-31E		
WELL NAME	East Shugart Unit #47	Oper: Devon Energy Corp.			East Shugart Unit #49	Oper: Devon Energy Corp.		East Shugart Unit #50	Oper: Devon Energy Corp.		East Shugart Unit #51	Oper: Devon Energy Corp.		East Shugart Unit #52	Oper: Devon Energy Corp.		East Shugart Unit #56	Oper: Devon Energy Corp.		East Shugart Unit #57	Oper: Devon Energy Corp.		

WELL NAME	LOCATION	SPUD DATE	COMP DATE	WELL TYPE	DEPTH/PBTD	COMPLETION RECORD
East Shugart Unit #58	1575' FSL & 2200' FWL	11/7/95	12/3/95	IIO	4088'/4027'	8 5/8", 24# @ 949' w/300 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2", 15.5# @ 4087' w/975 sxs. TOC @ surface.
						Perfd 3686'-3908'.
East Shugart Unit #61	2310' FNL & 865' FEL	1/26/95	3/5/95	ijŌ	4068'/3991'	8 5/8", 24# @ 950' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2", 15.5# @ 4067' w/1060 sxs. TOC @ surface.
						Perfd 3563:3911'.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10001 0 10001	1010101	4140105	ō	io Louis ros	TO COLD MAN
East onugan Ont #63	1800 FSL & 1600 FEL	12/16/94	C8/8L/L	5	4010/3950	8 5/8 , 24# @ 950 W/500 Sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E		1, 39,366			5 1/2", 15.5# @ 4010 w/1170 sxs. TOC @ surface.
						Perfd 3752'-3834' & 3298'-3640'.
	The state of the s					And the second s
East Shugart Unit #67	2450' FSL & 330' FEL	9/11/95	10/6/95	ō	4000'/3954'	8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 34-18S-31E	:				5 1/2", 15.5# @ 3999' w/950 sxs. TOC @ surface.
	:					Perfd 3768'-3846', 3406'-3659' & 2650'-2692'.
East Shugart Unit #69	990' FNL & 1700' FWL	9/22/95	10/15/95	ĪŌ	4030/3978'	8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2", 15.5# @ 4029' w/950 sxs. TOC @ surface.
						Perfd 3676-3874'.
			and the state of t			
East Shugart Unit #70	330' FSL & 280' FWL	1/2/95	5/12/95	iö	4045'/3936'	8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E	10 may 10				5 1/2", 15.5# @ 4043' w/1400 sxs. TOC @ surface.
						Perfd 3150'-3889'.
East Shugart Unit #71	990' FSL & 990' FWL	1/9/95	3/31/95	Ϊ́Ο	4055'/3987'	8 5/8", 24# @ 947' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E				Application and an analysis of the second se	5 1/2", 15.5# @ 4050' w/1238 sxs. TOC @ surface.
						Perfd 3152'-3886'.

WELL NAME	LOCATION	SPUD DATE	COMP DATE	WELL TYPE	DEPTH/PBTD	COMPLETION RECORD
East Shugart Unit #72	1650' FSL & 1150' FWL	1/18/95	2/22/95	ĪŌ	4040/3975	8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E	The state of the s				5 1/2", 15.5# @ 4039' w/1150 sxs. TOC @ surface.
						Perfd 3426'-3893', 3182'-3263' & 2744'-2818'.
East Shugart Unit #74	510' FSL & 2455' FWL	7/4/95	8/27/95	ijŌ	4070'/4000'	8 5/8", 24# @ 950' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2", 15.5# @ 4070' w/1115 sxs. TOC @ surface.
		7				Perfd 3457-3916'.
East Shugart Unit #76	1990' FNL & 1940' FWL	6/24/95	7/21/95	ō	4049'/3953'	8 5/8", 24# @ 945' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2", 15.5# @ 4049' w/1230 sxs. TOC @ surface.
						Perfd 3812-3902' & 3525'-3704'.
East Shugart Unit #77	1550' FSL & 2120' FEL	6/15/95	7/16/95	ĪŌ	4100/4023	8 5/8", 24# @ 939' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2", 15.5# @ 4104' w/925 sxs. TOC @ surface.
The second secon						Perfd 3485-3955' & 3274'-3422'.
East Shugart Unit #78	2300' FSL & 2300'FWL	10/19/95	11/11/95	ΙΘ	4091/3635	8 5/8", 24# @ 949' w/500 sxs. TOC @ surface.
Oper: Devon Energy Corp.	Sec. 35-17S-31E					5 1/2", 15.5# @ 4090' w/1200 sxs. TOC @ surface.
		And Annual Annua				Perfd 3831'-3928' & 3460'-3712'.
Fact Chinart Unit #70	2120' FNI & 375' FWI	10/20/05	12/18/05	ō	4068/4003°	8 F(B" 24# @ CAC' w/EON ove TOC @ enthace
Oper: Devon Energy Corp.	Sec. 35-18S-31E					5 1/2", 15.5# @ 4065' W/950 sxs. TOC @ surface.
the special state of the speci						Perfd 2800'-2816' & 3556'-3878'.
Federal "26" #1	330' FSL & 1980' FEL	1/10/75	5/17/76	ΙΘ	4100'	8 5/8" @ 790' w/400 sxs. Est. TOC @ surface.
Oper: Headington Oil	Sec. 26-18S-31E					4 1/2" @ 4100' w/550 sxs. Est. TOC @ 1879'.
						Perfd 2677'-2752'.

WELL NAME	LOCATION	SPUD DATE	COMP DATE	WELL TYPE	DEPTH/PBTD	COMPLETION RECORD
Hinkle Federal B #7	330' FSL & 2310' FEL	2/6/60	3/7/60	A&L	845'	8 5/8" @ 810'.
Oper: Keohane Saunders, etal	Sec. 35-18S-31E					
					The state of the s	
Hinkle Federal #11-B	330' FSL & 990' FEL	6/4/80	8/23/80	ΪÖ	4200'	8 5/8" @ 650' w/250 sxs. Est. TOC @ 90'.
Oper: Westall-Mask	Sec. 26-18S-31E					4 1/2" @ 4186' w/500 sxs. Est. TOC @ surf.
						Perfd 3460'-3586'.
Hinkle Federal #12-B	330' FSL & 990' FEL	5/15/80	7/23/80	ō	4200′	8 5/8" @ 672' w/250 sxs. Est. TOC @ 560'.
Oper: Westall-Mask	Sec. 35-18S-31E					4 1/2" @ 4200 w/150 sxs. Est. TOC @ 2850'.
						Perfd 3580'-3770'.
Hinkle Federal B #14	1650' FSL & 330' FEL	1/26/81	3/28/81	io	4200'	8 5/8" @ 663' w/300 sxs. Est TOC @ 296'.
Oper: Westall-Mask	Sec. 35-18S-31E					4 1/2" @ 4188' w/450 sxs. Est. TOC @ 1580'.
						Perfd 2727:-2980'
Greenwood PGU Fed. G #13	660' FSL & 2310 FWL	8/1/79	9/2879	Gas	12,000'	13 3/8" @ 795' w/845 sxs. Est. TOC @ surface.
Oper: Amoco Prod.	Sec. 35-18S-31E					9 5/8" @ 4800' w/2000 sxs. Est. TOC @ surface.
						5 1/2" @ 12,000 w/2000 sxs. Est. TOC @ 1334'.
						Perfd 11,684-11,788.
			6/11/84	D&A		Perfd 11,770'-11,778', 8210'-8310', & 7210'-7344'.
Greenwood UT Fed. #12	1650' FNL & 1980' FWL	2/21/79	6/20/19	Gas	11,800'/11,755'	13 3/8" @ 765' w/800 sxs. Est. TOC @ surface.
Oper: Amoco Prod.	Sec. 35-18S-31E					9 5/8" @ 4600' w/1750 sxs. Est. TOC @ surface.
						5 1/2" @ 11,800' w/2700 sxs. Est. TOC @ surface.
		and the state of t				Perfd 11,492'-11,581'.
			11/8/83			Perfd 11,054'-11,080', 11,694'-11,732' & 9192'-9300'.

WELL NAME	LOCATION	SPUD DATE	COMP DATE	WELL TYPE	DEPTH/PBTD	COMPLETION RECORD
State #1	330' FNL & 1650' FWL	10/1/45	12/10/45	D&A	3953'	8 1/4" @ 910' w/50 sxs. Est. TOC @ 789'.
Oper: Ray Westall	Sec. 2-19S-31E		The state of the s			7" @ 3337', no cement recorded.
			6/12/59	liO		4 1/2" @ 3890' w/250 sxs. Est. TOC @ 2876'
						Perfd 3414'.3853'.
State "2" #1	330' FNL & 300' FWL	5/4/39	9/18/39	ΙίΟ	3685'	8 1/4" @ 774' w/50 sxs. Est. TOC @ 662'.
Oper: Keohane & Westall	Sec. 2-19S-31E					7" @ 2935', no cmt recorded.
			No. of the control by the control of			5" @ 3275', no cement recorded.
						4" liner from 3262'-3680', no cement recorded.
						Perfd 3275'-3680'.
State #2	330' FNL & 2310' FEL	10/13/59	11/29/59	ĪŌ	3587'	8 5/8" @ 920' w/50 sxs. Est. TOC @ 808'.
Oper: Ray Westall	Sec. 2-19S-31E					5 1/2" @ 3585' w/120 sxs. Est. TOC @ 2945'.
						Perfd 3443'-3483'.
			9/6/61	lio	4121'	4 1/2" @ 4121' w/60 sxs. Est. TOC @ 3878'.
						Perfd 4092'-4104'.
State "A" #6	660' FNL & 1980' FWL	10/3/79	10/24/82	Ν	11,970′	13 3/8" @ 804' w/845 sxs. Est. TOC @ surface.
Oper: Westall-Mask	Sec. 2-19S-31E					9 5/8" @ 4797' w/2225 sxs. Est. TOC @ surface.
						5 1/2" @ 11,952' w/2425 sxs. Est. TOC @ surface.
						Perfd 3892'-4110', 7918'-7932', 9936'-10,004' & 11,664'-11,792'
State CK #1	1650' FNL & 330' FWL	10/22/59	12/7/59	JiO	4000'	8 5/8" @ 940' w/500 sxs. Est. TOC @ surface.
Oper: Texaco, Inc.	Sec. 36-18S-31E					5 1/2" @ 4000' w/300 sxs. Est. TOC @ 2400'.
						Perfd 3622'-3936'.
				:		
		T				

DEVOIT ENGINEERING CHART

DATE 9/23, 52 BY LSAJO

SHEET NO

SUBJECT EAST STUBGET # 9 1258 (9/69) CB2 1394 76 2678" 3470 to TOUT 3870' 949

1/15/81

For form preparation and distribution are Procedures Manual, Section 10, Drilling, Pagos 86 and 87.

J. W. Schmidt

S.onatu

received 1102181 Centruffico

Number all daily well history terms constitutively as muy are prepared for each well

Dist Drlg. Supt.

7.

20 North Broadway, Suite 1500 Oklahoma City, Oklahoma 73102-8260 Telephone 405/235-3611 FAX 405/552-4550

July 2, 1997

Certified Mail No. P 240 501 618

KEOHANE, INC. P. O. Box 1120 Roswell, NM 88202-1120

RE: East Shugart Unit #56
2250' FNL & 1910' FEL
Sec. 35-18S-31E
Eddy County, NM

East Shugart Unit #58 1575' FSL & 2200' FWL Sec. 35-18S-31E Eddy County, NM

Gentlemen:

We have enclosed a copy of our Application for Authorization to Inject for the above referenced wells. Please consider this letter as official notification. Our records indicate that you are an offset operator. Please direct inquiries concerning this matter to Ernie Buttross, Jr., at (405) 552-4509.

	A-Mala Mi		e's Address I Delivery or for fee.
Voren Rivers = ALUMANE, INC.	a. Article Nu P 240	umber U 501 618	<u> </u>
Engineering Technician P. O. Box 1120 Roswell NM 88202-1120	D. Service T Registered Express M	ype d Mail eipt for Merchandise	
	and fee is p	's Address (Only if paid) Domestic Retu	



20 North Broadway, Suite 1500 Oklahoma City, Oklahoma 73102-8260 FAX 405/552-4550

Telephone 405/235-3611

July 2, 1997

Certified Mail No. P 240 501 619

RAY WESTALL OPERATING, INC. P. O. Box 4 Loco Hills, NM 88255-0004

RE: East Shugart Unit #56 2250' FNL & 1910' FEL

Sec. 35-18S-31E Eddy County, NM East Shugart Unit #58 1575' FSL & 2200' FWL

Sec. 35-18S-31E Eddy County, NM

Gentlemen:

We have enclosed a copy of our Application for Authorization to Inject for the above referenced wells. Please consider this letter as official notification. Our records indicate that you are an offset operator. Please direct inquiries concerning this matter to Ernie Buttross, Jr., at (405) 552-4509.

Yours truly,	AAT on last Shugart Unit	#!a 56 % 58
DEVON ENERGY CORI Karen Byers		I also wish to receive the following services (for an extra fee): 1. Addressee's Address 2. Restricted Delivery
Engineering Technician	3. Article Address, d to:	4a. Article Number
Enclosures	RAY WE TALL OPERATING P. O. Box 4 Loco H lls, NM 88255- 0004	4b. Service Type Registered Express Mail Return Receipt for Merchandise COD 7. Date of Delivery
	5. Received By: (int Name) 6. Signature: (Add ressee or Agent) PS Form 3811, I ecember 1994	8. Addressee's Address (Only if requested and fee is paid) Domestic Return Receipt
	M D	

AAI or East Shugart Unit | 's 56 & 58



20 North Broadway, Suite 1500 Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611 FAX 405/552-4550

uly 2, 1997

Certified Mail No. P 240 501 620

AMOCO PRODUCTION CO. P. O. Box 3092 Houston, TX 77253

RE: East Shugart Unit #56
2250' FNL & 1910' FEL
Sec. 35-18S-31E
Eddy County, NM

East Shugart Unit #58 1575' FSL & 2200' FWL Sec. 35-18S-31E Eddy County, NM

Gentlemen:

We have enclosed a copy of our Application for Authorization to Inject for the above referenced wells. Please consider this letter as official notification. Our records indicate that you are an offset operator. Please direct inquiries concerning this matter to Ernie Buttross, Jr., at (405) 552-4509.

Yours truly, DEVON ENERGY CORF	AAI on: East Shugart Unit SENDER: Complete items 1 an /or 2 for additional services. Complete items 3, 4i and 4b. Print your name and card to you. Attach this form to the permit. Write 'Return Receipt Requested' on the mailpiece below the article was delivered.	I also wish to receive the following services (for an extra fee): 1. Addressee's Address e number. 2. Restricted Delivery
1100016 -	5 B. Article Addresse to:	4a. Article Number
Karen Byers Engineering Technician Enclosures	AMOCO PRODUCTION P. O. 30x 3092 Houston, TX 77253	## 240 501 620 4b. Service Type Registered
	5. Received By: (Pr it Name) 6. Signature: (Addre isee or Agent) PS Form 3811, De ember 1994 Postmark or Date AAI on Fast Shugart Unit #'s 56 & 58	8. Addressee's Address (Only if requested and fee is paid) Domestic Return Receipt

20 North Broadway, Suite 1500 Oklahoma City, Oklahoma 73102-8260 FAX 405/552-4550

Telephone 405/235-3611

, uly 2, 1997

Certified Mail No. P 240 501 621

TEX.ACO, INC. 4601 DTC Blvd. Denver, CO 80237-2549

RE: East Shugart Unit #56 2250' FNL & 1910' FEL Sec. 35-18S-31E Eddy County, NM

East Shugart Unit #58 1575' FSL & 2200' FWL Sec. 35-18S-31E Eddy County, NM

Gentlemen:

We have enclosed a copy of our Application for Authorization to Inject for the above referenced wells. Please consider this letter as official notification. Our records indicate that you are an offset operator. Ple se direct inquiries concerning this matter to Ernie Buttross, Jr., at (405) 552-4509.

Yours truly,	AAI on: AST SHUGART UNIT	's 56 & 58
DEVON ENERGY CORP	SENDER: Complete items 1 an /or 2 for additional services. Complete items 3, 41 and 4b. Print your name and card to you. Attach this form to the permit. Write "Return Receipt Requested" on the mailpiece below the article was delivered and delivered.	te number. 2. Restricted Delivery
Karen Byers	3. Article Addresse to:	4a. Article Number
Engineering Technician Enclosures	TEXACO, INC. 4601 DIC Blvd. Denver, CO 80237-2549	P 2 2 0 501 621 4b. Service Type Registered Express Mail Return Receipt for Merchandise 7. Date of Delivery
	5. Received By: (Pr. 1t Name)	8. Addressee's Address (Only if requested and fee is paid)
	6. Signature: (Addre :see or Agent)	
	PS Form 3811 , December 1994	Domestic Return Receipt
	Postmark or Date AAI on: East Shugart Unit ‡': 56 & 58	



20 North Broadway, Suite 1500 Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611 FAX 405/552-4550

July 2, 1997

Certified Mail No. P 240 501 622

HEADINGTON OIL
7557 Rambler Road, Suite 1100
Dallas, TX 75231-4166

RE: East Shugart Unit #56 2250' FNL & 1910' FEL Sec. 35-18S-31E

Sec. 35-18S-31E Eddy County, NM East Shugart Unit #58 1575' FSL & 2200' FWL Sec. 35-18S-31E Eddy County, NM

Gentlemen:

We have enclosed a copy of our Application for Authorization to Inject for the above referenced wells. Please consider this etter as official notification. Our records indicate that you are an offset operator. Please direct inquiries concerning this matter to Ernie Buttross, Jr., at (405) 552-4509.

Yours truly,

DEVON ENERGY COR

Karen Byer

Karen Byers Engineering Technician

Enclosures

on the reverse side?	SENDER: Complete items 1 a Complete items 3, 4 Print your name and card to you. Attach this form to 1 permit. Write 'Return Received.	East Shugart Unit don't additional services. It and 4b. address on the reverse of this form so that we element of the mailpiece, or on the back if space to Requested' on the mailpiece below the article will show to whom the article was delivered and	can return this a does not a number.	I also wish to receive the following services (for an extra fee): 1. Addressee's Address 2. Restricted Delivery Consult postmaster for fee.
IN ADDRESS completed o	7557 1	GTON, INC. ambler Road, Ste. 1100 , TX 75231-4166	4b. Service Registere Express I	0 501 622 Type ad Si Certified Mail Insured ceipt for Merchandise COD
is your BETUR	6. Signature? (A), X PS Form 3811, I	iressee by Agent)	8. Addressed and fee is	e's Address (Ohly if requested paid) Domestic Return Receipt

AAI on: East Shugart
Unit # s 56 & 58

20 North Broadway, Suite 1500 Telephone:405/235-3611 Oklahoma City, Oklahoma 73102-8260

CERTIFIED MAIL # P 240 501 985

July 24, 1997

Ro: Application for Authorization to Inject East Shugart Unit #'s 56 & 58 Eddy County, NM

New Mexico Oil Conservation Division Attn: Ben Stone 2040 S. Pacheco St. Santa Fe, NM 87505

Enclosed are two copies of proof of notice to surface owner and proof of publication for the Application for Authorization to Inject on I ast Shugart Unit #56 & 58 wells. The original Application for Authorization to Inject was sere to you July 10, 1997 without the proof of notice to surface owner and proof of publication.

If you have any questions, please contact me at (405) 552-4527.

Sincerely yours,

Devon Energy Corporation (Nevada)

Karen Byers

Karen Byers

Engineering Technician

/kb

Enclosures (4)

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.
Amy McKay
being first duly sworn, on oath says:
That she is Business Manager of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and online edition of said newspaper and not in supplement thereof on the date as follows, to wit:
July 15 , 19 97
,19
,19
,19
, 17
That the cost of publication is \$ 29.79, and that payment thereof has been made and will be assessed as court costs.
- Myllockay
Subscribed and sworn to before me this
21st day of July 1997
Mothera Chury
My commission expires 8/1/98
Notary Public

July 15, 1997

PUBLIC NOTICE
APPLICATION FOR WATER
DISPOSAL
Notice is hereby given
that Devon Energy Corporation (Nevada) is applying to
the New Mexico Oil Conservation Division for administrative approval and authority to convert the following wells to water injection:

> East Shugart Unit #58 2250' FNL & 1910' FEL Sec. 35-18S-31E Eddy County, NM

East Shugart Unit #58 1575' FSL & 2200' FWL Sec. 35-18S-31E Eddy County, NM

The intended purpose of the water injection wells is to inject produced waters into the Queen formation to enhance oil recovery through secondary recovery Maximum injection rates of 700 bwpd & maximum injection pressures of 1800 psig are expected.

Any interested parties may file objections or requests for hearing within 15 days to:

Oil Conservation Division 2040 South Pacheco St. Santa Fe, New Mexico 87505-5472

By: Ernie Buttross, District Engineer Engineer Devon Energy Corporation (Nevada) 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102 (405)552-4509



20 North Broadway, Suite 1500 Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611 FAX 405/552-4550

July 2, 1997

Certified Mail No. P 240 501 623

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

RE: East Shugart Unit #56 2250' FNL & 1910' FEL

> Sec. 35-18S-31E Eddy County, NM

East Shugart Unit #58 1575' FSL & 2200' FWL Sec. 35-18S-31E Eddy County, NM

Gentlemen:

We have enclosed a copy of our Application for Authorization to Inject for the above referenced wells. Please consider this letter as official notification. Our records indicate that you are the surface owner. Please direct inquiries concerning this matter to Ernie Buttross, Jr., at (405) 552-4509.

9	AAT on East Shugart Ut	#'356	1 also wish to	- receive the
Yours truly,	■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 your card to you.	ve can return this		vices (for an
DEVON ENERGY CORI	Attach this form to the front of the mailpiece, or on the back if space permit.	ace does not	1. □ Add	ressee's Address
Karen By	■Write *Return Receipt Requested* on the mailpiece below the artise. The Return Receipt will show to whom the article was delivered a	cle number. and the date		tricted Delivery tmaster for fee.
(1	B. Article Addressed to:	4a. Article N	umber	1 73
	BUREAU OF LAND MANAGEMENT	4b. Service	<u>[U DU]</u> Type	623
Engineering Technician	2909 West Second Street	☐ Registere	ed	🔀 Certified
	Roswell, New Mexico 88201	☐ Express		☐ Insured 5
ĝ		7. Date of De		ndise COD
Enclosures		7. Date of Di	CHVOLY	7.7-97
	5. Received By: (annt Name)	8. Addresse and fee is	•	Only if requested
_	Signature: (Ad Iressee or Ngept)	`		
-	PS Form 3811 , December 1994		Domestic	Return Receipt
	Postmark or Date			
	AAI on East Shugart			
	Υ Unit #'s 56 & 58	•		