OIL CONSER . FON DIVISION

**DEVON ENERGY** CORPORATION 20 North Broadway

405/235-3611

**Suite 1500** 

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Oklahoma City, Oklahoma 73102

September 28, 1993

State of New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87504 - 2088

Re: Non - Standard Location Approval

#### Dear Sir:

On September 17, 1993 Devon Energy was notified by the OCD's Mark Ashley that our proposed East Shugart Unit #42 to be located 330' FNL and 1140' FEL of Section 34 -T18S - R31E Eddy County, New Mexico is an unorthodox location. Attached is a plat of the East Shugart Unit showing the Unit's boundaries and all the wells within; and, Forms 3160-3 and C - 102. The East Shugart Unit is a federal unit and the proposed well is to be part of this active waterflood project. The Unit ID number for the East Shugart Unit is 14-08-0001-11572. Operators that have production in the offsetting 40 acre tracts will be notified by certified mail. A copy of our notification to each operator will be sent to you along with the certified mail number. Any remaining wells that offset the proposed location are owned and operated by Devon Energy, therefore, no other notification is necessary.

Should you require any additional information regarding this unorthodox location or the issuing of an allowable please notify me at 405-552-4560.

Sincerely,

Randy Jackson

**Operations Engineer** 

OPERATOR'S COPY SUBSECT IN THE VICATES Form approved. Ferm 3160-3 (Other lastra Budget Bureau No. 1004-0136 (December 1990) U. TED STATES Empires: December 31, 1991 DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL BO. BUREAU OF LAND MANAGEMENT NM10193 6. IF INDIAN, ALLOTTER OR TRIBE HAME APPLICATION FOR PERMIT TO DRILL OR DEEPEN la. TYPE OF WORK 7. UNIT AGREEMENT NAME DEEPEN . DRILL X East Shugart Unit A TYPE OF WELL SINGLE MULTIPLE OIL X GAE WELL S. FARM OR LEASE HAVE BELL HO. 2. NAME OF OPERATOR East Shugart Unit #38 00 (Nevada) Devon Energy Comporation 10. FIELD AND POOL OR WILDCAT 20 North Broadway Suite 1500 Oklahoma City, OK 73102 4. LOCATION OF WELL (Report location clearly and in accordance with any State re Shugart At surface 11. SSC., T., R., M., OR BLE. AND SURVEY OR AREA 1060' FSL & 2430' FEL At proposed prod. some same Section 34-T18S-R31E 14. DISTANCE IN MILES AND DESCRIPE FROM PRARRY TOWN OF POST OFFICE 12. COUNTY OR PARISE | 18. STATE 15 miles southeast of Loop Hills, New Mexico Eddy 13. DISTANCE FROM PROPUSED\*
LOCATION TO MEAREST
PROPERTY OF LEASE LIME, FT.
(Also to nearest drig, unit line, if any) 17. NO. OF ACRES ASSIGNED TO THIS WELL 16. NO. OF ACRES IN LEASE 1060' 80 40 18. DISTANCE FROM PROPOSED LOCATION®
TO NEAREST WELL, DRILLING, COMPLETIES,
OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTE 20. BOTARY OR CABLE TOOLS 660 4400 rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL STARTS 3618' April 15, 1993 23. PROPOSED CASING AND CHMENTING PROGRAM SETTING DEPTH SIZE OF HOLE GRADE, SIZE OF CASHE WEIGHT PER FOOT QUARTITY OF CEMERT 25" 20" 40 cement with readv-mix to surface 11" 8 5/8" WC 50 24 ppf 950' 200 sx LITE + 100 sx Class C 5 1/2" J<del>-</del>55 7/8' 15.5 ppf 4400' 150 sx LITE + 375 sx Class C We plan to circulate cement to surface on all three strings (conductor, surface and longstring). Devon Energy proposes to drill to approximately 4400' to test the Yates and Queen sands for commercial quantities of oil. If the Yates and Queen are deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments. Drilling Program GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS Surface Use and Operating Plan Exhibit #5 = Production Facilities Exhibit #1 and #1-A = Blowout Prevention Equipment Exhibit #2 = Location and Elevation Plat Exhibit #6 = Rotary Rig Layout Exhibit #3 = Planned Access Roads Exhibit #7 = Casing Design Program Exhibit #4 = Wells Within a One Mile Radius Evidence of Bond Coverage

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zons and proposed tive zone. If proposal is to drill or pen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer p

AIGNED Chale W Journ	Charles W. Horsman District Engineer	DATE 2X26/93
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	

Application approval does not warrant or certify that the applicant holds legal or eq CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT I

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

Form C-102 Revised 1-1-89

EXHIBIT\_#2

OIL CONSERVATION DIVISION

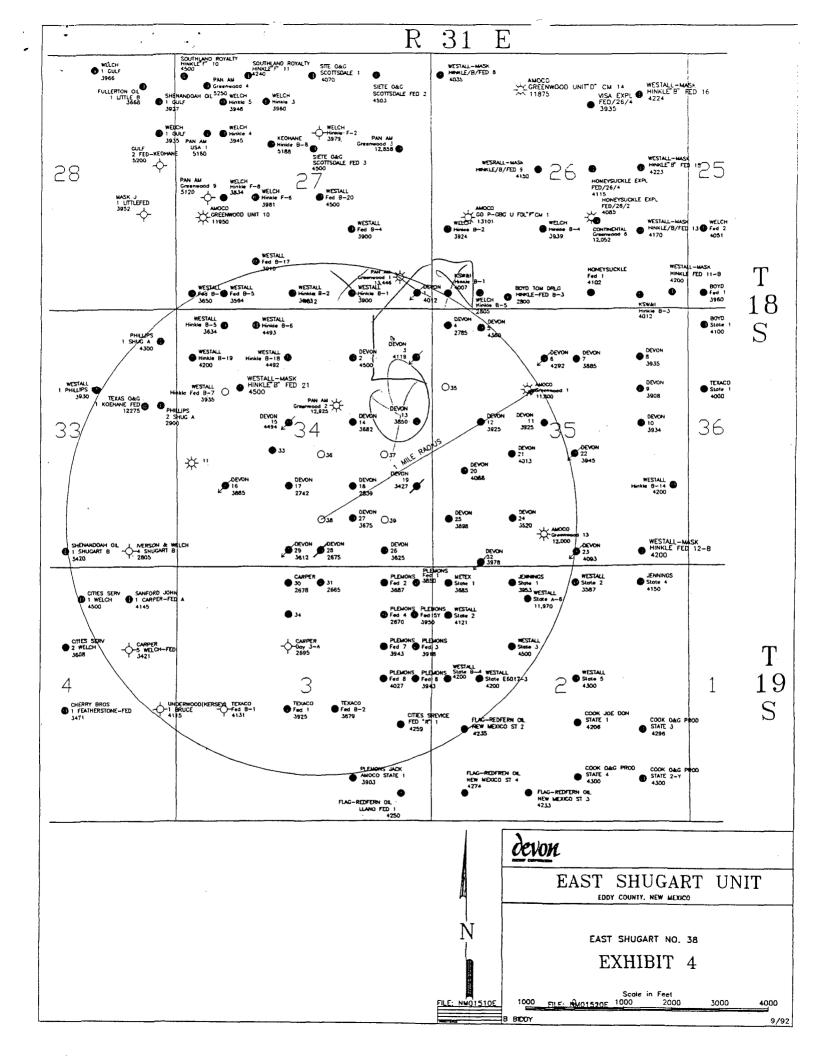
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

P.O. Box 1980, Hobbs, NM 88240

WELL LOCATION AND ACREAGE DEDICATION PLAT DISTRICT IN 1000 Rio Brazos Rd., Aztec, NM 87410 All Distances must be from the outer boundaries of the section Lease Well No. Operator DEVON ENERGY EAST SHUGART UNIT 38 Township Range County Unit Letter Section 18 SOUTH 31 EAST **EDDY** NMPM 0 Actual Footage Location of Well: SOUTH 2430 **EAST** feet from the line feet from the line and Ground Level Elev. Producing Formation Pool Dedicated Acreage: 3618.0 Yates and Queen Sands 40 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? type of consolidation No. If answer is yes If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary. No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and beitef. Signature Printed Name Charles W. Horsman Position District Engineer Company Devon Energy Corporation (Nevada) Date January 15, 1993 SURVEYOR CERTIFICATION I hereby certify that the well location shown Devon Enersy Corp. on this plat was plotted from field notes of East Shugart Unit actual surveys made by me or under my supervison, and that the same is true as 990 FSC-1650 FEZ correct to the best of my knowledge on Spud: 4/28/52 beitef. Shugard Comp Date Surveyed DECEMBER 4, 1992 Signature & Seal of Professional Surveyor 3239 EIDSON. 1320 1650 1980 2310 2640 990 2000 1500 1000 500 92-11-1846



## EAST SHUGART UNIT #42 OFFSET OPERATORS

## **Section 26 - T18S - R31E**

Operator	Well	Unit #	Remarks
Tom Boyd Drlg.	Hinkle #B-1	M	Active
Tom Boyd Drlg.	Hinkle #B-5	M	Active

## Section 27 - T18S - R31E

Operator	Well	Unit #	Remarks	
Westall Mask	Hinkle Fed. #B-1	0	Active	
Amoco	Greenwood Unit #1	P	Inactive	
Amoco	Greenwood PG #1	P	Active	

## **Section 34 - T18S - R31E**

Operator	Well	Unit #	Remarks	
Amoco	Greenwood Unit #2	G	P&A	

#### (SHUGART (ATLANTIC-RICHFIELD-QUEEN PILOT WATER-FLOOD) POOL - Cont'd.)

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

#### IT IS THEREFORE ORDERED:

- (1) That the applicant, Atlantic-Richfield Company, is hereby authorized to institute a pilot waterflood project in the Shugart Pool by the injection of water into the Queen formation through an injection well to be drilled at an unorthodox location 100 feet from the North line and 100 feet from the West line of Section 23, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico.
- (2) That the subject pilot waterflood project is hereby designated the Atlantic Richfield Shugart Panco Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.
- (3) That monthly progress reports of the pilot waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
- (4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

#### SHUGART POOL (Atlantic Richfield East Shugart Waterflood) Eddy County, New Mexico

Order No. R-3769, Authorizing Atlantic Richfield Company to Institute a Waterflood Project in the East Shugart Unit Area, Shugart Pool, Eddy County, New Mexico, May 28, 1969.

Application of Atlantic Richfield Company for a Waterflood Project and Unorthodox Injection Well Location, Eddy County, New Mexico.

> **CASE NO. 4138** Order No. R-3769

#### ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on May 21, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 28th day of May, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

(1) That due public notice having been given as required by subject matter thereof.

(2) That, the applicant, Atlantic Richfield Company, seeks permission to institute a waterflood project in its East Shugart Unit Area, Shugart Pool, by the injection of water into the Yates and Queen formations through 10 injection wells in Sections 27, 34, and 35, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico, and through the following-described well which is to be drilled at an unorthodox location:

East Shugart Unit Well No. 32, to be located 100 feet from the South line and 990 feet from the West line of said

- (3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.
- (4) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.
- (5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

#### IT IS THEREFORE ORDERED:

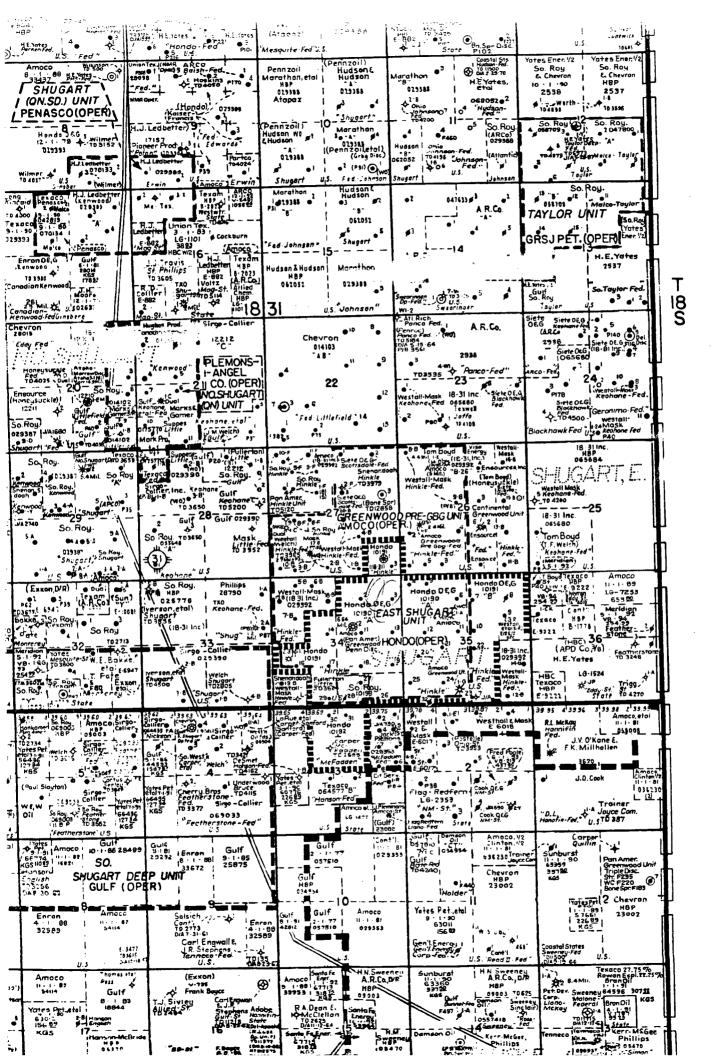
(1) That the applicant, Atlantic Richfield Company, is hereby authorized to institute a waterflood project in its East Shugart Unit Area, Shugart Pool, by the injection of water into the Yates and Queen formations through the following-described wells in Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico:

Well	No.	Uni	Section	New Unit Well No.
Atlantic Richfield Co.				
Hinkle "B"	3	P	27	1
Atlantic Richfield Co.	••			
Hinkle "A"	13	A	34	3
Atlantic Richfield Co.	_	-	0.4	1-
Hinkle "B" Atlantic Richfield Co.	5	F	34	15
Hinkle "A"			0.4	10
Atlantic Richfield Co.	3	I	34	19
Hinkle "B"			34	16 '
Atlantic Richfield Co.	6	L	34	10
Hinkle "B"	1	N	34	29
Cities Service Oil Co.	-	14	34	49
Hinkle "A"	1	0	34	28
Atlantic Richfield Co.		U	04	40
Hinkle "A"	12	С	35	6
Atlantic Richfield Co.	12	C	35	U
Hinkle "B"	4	J	35	22
Atlantic Richfield Co.	-	U	00	
Hinkle "B"	<b>7</b> Y	0	35	23
East Shugart Unit Well		_		
1Hen 1001 ECT and				

location 100' FSL and 990' FWL - Section 35

- That the subject waterflood project is hereby designated the Atlantic Richfield East Shugart Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.
- (3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
- (4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



Free 3160-3 (December 1990)

## SUBMIT IN TRIPLICATES

(Other instructions on reverse side)
FRIOR A, IM 86210

Form approved.

<b>EPARTMENT</b>	OF	THE INTERIOR" "	11
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BUREAU OF LAND MANAGEMENT

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Randy Jackson  District Engineer  TITLE District Engineer  APPROVAL DATE  Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations the	and abandoned per Fare outlined in the Drilling Program  Surface Use and Ope Exhibits #1/#1-A = Exhibit #2 = Locati Exhibit #3 = Planne Exhibit #4 = Wells Exhibit #5 = Produc Exhibit #6 = Rotary	rederal regarding Plant Blowout Plant Blowou	gulations. g exhibits an revention E ation Plat Roads e Mile Radi lities Plat ut	Programs to ad and attachments  quipment  us  () () () () () () () () () () () () ()	Exhibi Eviden H2S Op	t #7 = Casing D ce of Bond Cove erating Plan	esign Program
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PERMIT NO	RIGNED Condy Jack	202-	TIT	<u>District Engi</u>	neer	DATE AUE	urst 13, 1993
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	,-			APPROVAL DATE			
	PERMIT NO.	or certify that the ap	plicant holds legal or eq	<del></del>	subject lease v	which would entitle the applican	t to conduct operations the

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

Form C-102 Revised 1-1-89

#### DISTRICT I P.O. Box 1980, Hobbs, NM 88240

### OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

DEVON ENERGY CORPORATION	Lease	EAST SHUGART UNIT		Well No.
Unit Letter Section Township	Range		County	L
A 34 18 SOUTH		31 EAST NMPM		LEA
Actual Footage Location of Well;		•		
330 feet from the NORTH line and	1140	feet from	the EAS	
Ground Level Elev. Producing Formation	Pool	01		Dedicated Acreage:
3638.5' Yates and Queen Sands		Shugart		40 Acres
1. Outline the acreage dedicated to the subject well by colored	d pencil or hach	nure marks on the plat below	٧.	
2. If more than one lease is dedicated to the well, outline ea	ach and identify	the ownership thereof (both	as to working	ng interest and royalty).
3. If more than one lease of different ownership is dedicated unitization, force-pooling, etc.?  Yes No If answer is "yes" type	e of consolidati	on		lidated by communitization,
If answer is "no" list of owners and tract descriptions which	h have actually	been consolidated. (Use re-	verse side of	
No allowable will be assigned to the well unit all inter- otherwise) or until a non-standard unit, eliminating such				nitization, forced-pooling,
	7,713	74:   \ 7e to et \	OPERA'	TOR CERTIFICATION
	3637. 3642.	1120	contained he best of my k	reby certify the the information rein is true and complete to the nowledge and belief.
			Signature Printed Na	•
<u> </u>		+777777	Randy	y Jackson
		Deven Energy Corp.	Dist	rict Engineer
		East Shugard Unit	Company	Devon Energy
		Well No. 3		oration (Nevada)
		1990 FNL-330 PEC Snud: 8/9/58	Date July	28, 1993
		Shugart Comp.	SURVE	YOR CERTIFICATION
		Converted to WILL	1	tify that the well location shown
			actual surve	was plotted from field notes of ys made by me or under my
		1	1 -	and that the same is true and the best of my knowledge and
			Date Surve	eyed JULY 1, 1993
		<del> </del>	Signature Profession	ial Surveyor
				THEN MEXICS
			Certificate	ROMAN J. 5034, 3236
0 330 660 990 1320 1650 1980 2310 2640	2000 1500	1000 500 0	(	93-11-1250

DEVON ENERGY CORPORATION

20 North Broadway Suite 1500 Oklahoma City, Oklahoma 73102 405/235-3611 Fax 405/236-4258

September 29, 1993

RE:

East Shugart Unit #42

Non-Standard Location Approval

Ray Westall Operating Company P. O. Box 4 Loco Hills, NM 88255

Certified Letter #: P 164 780 230

Dear Sirs:

We have applied for a permit to drill the above referenced well. The proposed well site is within our East Shugart Unit in Eddy County, NM and offsets the following property which our records show you operate:

Hinkle Federal #B-1

The East Shugart Unit #42 is located:

330' FNL & 1140' FEL Section 34-T18S-R31E

The State of New Mexico Oil Conservation Division has ruled that this location is "non-standard". They require that we obtain Non-Standard Location Approval from their Santa Fe Office before allowing the Bureau of Land Management to issue us a permit. The NSL approval process requires that we notify offset operators and submit Proof of Notice.

Please accept this certified letter as notification. If you have any questions, please call Randy Jackson at (405) 552-4560.

Sincerely yours,

DEVON ENERGY CORPORATION

Debley O'Donnell
Ms. Debby O'Donnell
Engineering Technician

cc.

Oil Conservation Division - Santa Fe, NM Bureau of Land Management - Carlsbad, NM DEVON ENERGY CORPORATION

20 North Broadway Suite 1500 Oklahoma City, Oklahoma 73102 405/235-3611 Fax 405/236-4258

September 29, 1993

RE:

East Shugart Unit #42

Non-Standard Location Approval

Amoco Producing Company P. O. Box 3092 Houston, TX 77253

Certified Letter #: P 164 780 231

Dear Sirs:

We have applied for a permit to drill the above referenced well. The proposed well site is within our East Shugart Unit in Eddy County, NM and offsets the following Amoco properties:

Greenwood Unit #1 Greenwood PG #1 Greenwood Unit #2

The East Shugart Unit #42 is located:

330' FNL & 1140' FEL Section 34-T18S-R31E

The State of New Mexico Oil Conservation Division has ruled that this location is "non-standard". They require that we obtain Non-Standard Location Approval from their Santa Fe Office before allowing the Bureau of Land Management to issue us a permit. The NSL approval process requires that we notify offset operators and submit Proof of Notice.

Please accept this certified letter as notification. If you have any questions, please call Randy Jackson at (405) 552-4560.

Sincerely yours,

**DEVON ENERGY CORPORATION** 

Debby O'Donnell

Engineering Technician

cc.

Oil Conservation Division - Santa Fe, NM Bureau of Land Management - Carlsbad, NM DEVON ENERGY CORPORATION

20 North Broadway Suite 1500 Oklahoma City, Oklahoma 73102 405/235-3611 Fax 405/236-4258

September 29, 1993

RE:

East Shugart Unit #42

Non-Standard Location Approval

Tom Boyd Drilling 616 Mechem Drive Ruidoso, NM 88345

Certified Letter #: P 164 780 229

Dear Sirs:

We have applied for a permit to drill the above referenced well. The proposed well site is within our East Shugart Unit in Eddy County, NM and offsets the following properties which our records show you operate:

Hinkle #B-1 Hinkle #B-5

The East Shugart Unit #42 is located:

330' FNL & 1140' FEL Section 34-T18S-R31E

The State of New Mexico Oil Conservation Division has ruled that this location is "non-standard". They require that we obtain Non-Standard Location Approval from their Santa Fe Office before allowing the Bureau of Land Management to issue us a permit. The NSL approval process requires that we notify offset operators and submit Proof of Notice.

Please accept this certified letter as notification. If you have any questions, please call Randy Jackson at (405) 552-4560.

Sincerely yours,

**DEVON ENERGY CORPORATION** 

Ms. Debby O'Donnell Engineering Technician

cc.

Oil Conservation Division - Santa Fe, NM Bureau of Land Management - Carlsbad, NM