EnergyPro, Inc.

500-A S. Hangar Drive

Georgetown, Texas 78628

Phone: (512) 869-7971 FAX: (512) 869-8543

APR 1 3 1998

April 10, 1998

Mr. Michael E. Stogner New Mexico Oil Conservation Commission 2040 S. Pacheco Santa Fe, New Mexico 87505

Re:

Petroleum Development Corporation (PEDCO)

<u>Huber-State Unit No. 1-H</u> Lea County, New Mexico

Dear Mr. Stogner:

Enclosed please find three copies of the pertinent forms for the permitting of the referenced well. We have filed a unit designation agreement with the State Land Office and anticipate temporary approval of the unit designation prior to the hearing for the referenced well that is now set for April 30, 1998.

Please advise if there is anything further that you may require in regards to approval of the permit for the referenced well.

Sincerely,

ENERGYPRO, INC. (Agent for PEDCO)

Don C. Pfiester

President

District I

PO Box 1980, Hobbs, NM 88241-1980

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Azzec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerais & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-101 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

AMENDED REPORT

APPLICA	TION I	FOR I	PERMIT T	ro dri	LL, RE-EN'	TER, DEEPF	EN, PLUGBA	ACK,	OR AI	DD A ZONE
			1	Operator Na	me and Address.				, OC	RID Number
Petroleu	m Deve	lopme	nt Corpo	ration					17	470
9720-в с	andale:	ria,	N.E.							API Number
Albuquer	que, N	м 871	12		•				30 - 0	tri Number
¹ Prope	erty Code	T			¹ Pr	operty Name			<u> </u>	* Well No.
		1	Hube	r-State	unit	ļ	1-H			
					⁷ Surface	Location	···			
UL or lot no.	Section	Towns	nship Range Lot Idn Feet from the Nor		North/South line	Feet from the E		Vest line	County	
1	5	16-S 38-E			330	North	1150	East		Lea
		8	Proposed	Bottom	Hole Locat	ion If Differe	nt From Sur	face		
UL or lot no.	Section	Townsh	ip Range	Lot Idn	Feet from the	North/South line			West line	County
4	4	10-S	38-E		200	North 330		West		Lea
Dento	n, Sou		oposed Pool 1 Devonian)	<u></u>			** Propo	sed Pool	2	
Work 7	Type Code		12 Well Type	e Code	13 Cable	/Rotary	14 Lease Type Co	ode	15 Grou	nd Level Elevation
E	:		_ 0		R		S		3	3754
16 Ms	altiple T		" Proposed 13,500		" For		19 Contractor		* Spud Date 5/15/98	

²¹ Proposed Casing and Cement Program

Devonian

13,500

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
16	12-3/4	35	282	350	Surface
12	8-5/8	24	4971	1650	850
7-7/8	5-1/2	17	12902	300	11500
4-3/4	2-7/8 Liner	6.5	14000 MD		

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Propose to re-enter the EnergyPro, Inc. (formerly Kinlaw Energy) Huber-State No. 1 well & mill a window at approx. 12,500'. The well will then be drilled directionally to a penetration point approximately 200' FNL & 500' FEL of Sec. 5, T-16-S, R-38-E. A horizontal lateral will then be drilled approximately 700' to the BHL shown above. Specific BOP system is not yet known, but adequate protection equipment including minimum 5000 psi hydraulic rams, 5000 psi Hydril, & 5000 psi choke manifold & connections will be utilized.

of my knowledge and belief.	OIL CONSERVATION DIVISION					
Signature: Un C Killy	Approved by:					
Printed name: Don C. Pfiester	Title:					
Title: Agent	Approval Date: Expiration Date:					

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
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1000 Rio Brazos Rd., Aztec, NM 87410

2040 South Pacheco, Santa Fe, NM 87505

District IV

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

		W	ELLIO	CATION	I AND ACE	REAGE DEDIC	CATION DI	АТ				
1	API Numb		ELL LU	² Pool Cod		CEAGE DEDIC	Pool Na					
						Denton, South (Devonian)						
⁴ Property	Code	Hub	er-Stat	e Unit	¹ Property	Name		* Well Number 1-H				
'OGRID'	No.	Pet	roleum	*Operator Name Development Corporation					'Elevation 3754			
¹⁰ Surface Location												
UL or lot no.	Section	Township	Pange	Let Idn	Feet from the	North/South line	Feet from the	East/West line		County		
1	5	16-S 38-E			330	North	1150	East		Lea		
			11 Bott	om Hol	e Location I	f Different Fro	om Surface					
UL or lot no.	Section 4	Township Range 16-S 38-E		Lot Idn	Feet from the 200	North/South line North	Feet from the 330	East/Wes Wes		County		
12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 105.82 N U Applied For												
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												
16 17 OPERATOR CERTIFICATION 1 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief												

Don C. Pfiest Huber-State Printed Name Unit Agent April 1, 1998 Sec. 35, T-15-S, R-37-E Sec. 36, T-15-S, R-37-E Date 18SURVEYOR CERTIFICATION 330' 200 330" 500 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me ← 1150' or under my supervision, and that the same is true and 200' correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyer: Lot 4 Lot 1 Certified plat filed with original C-102 from the VF Petroleum Huber-State #1. Sec. 4, T-16-S R-38-E Sec. 5, T-16-S, R-38-E Certificate Number

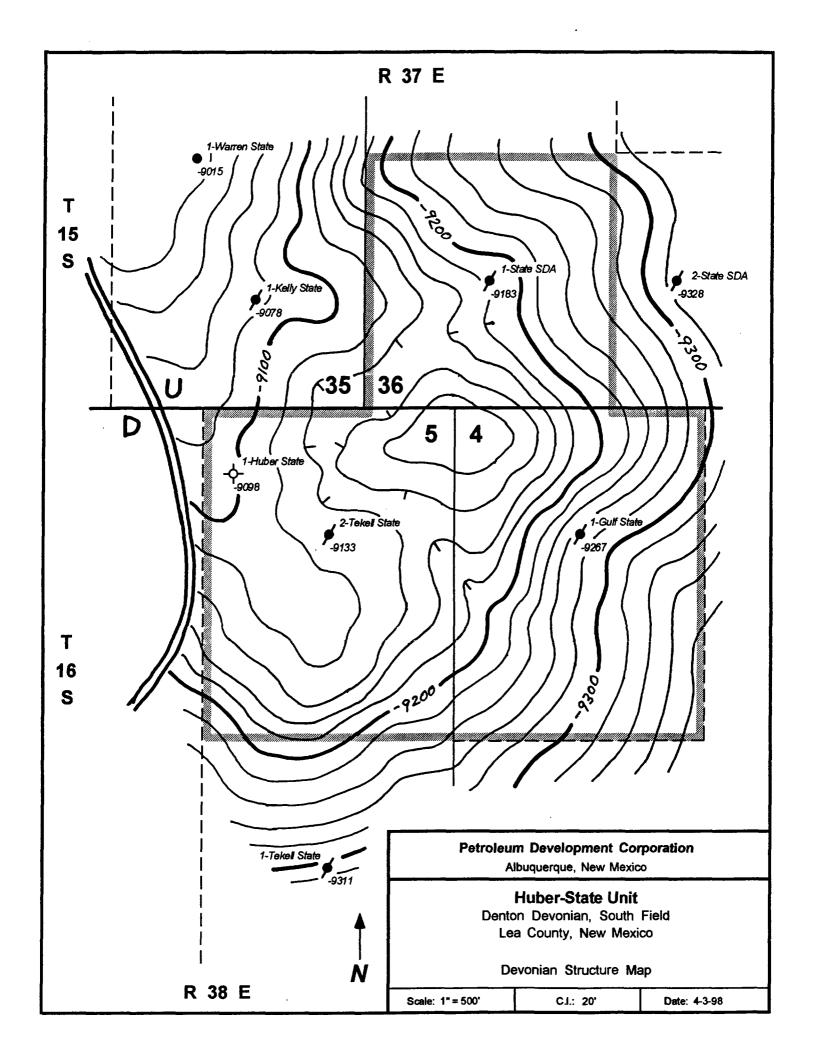
Huber-State Unit No. 1-H
330' FNL & 1150' FEL of Section 5, T-16-S, R38-E
Lea County, New Mexico

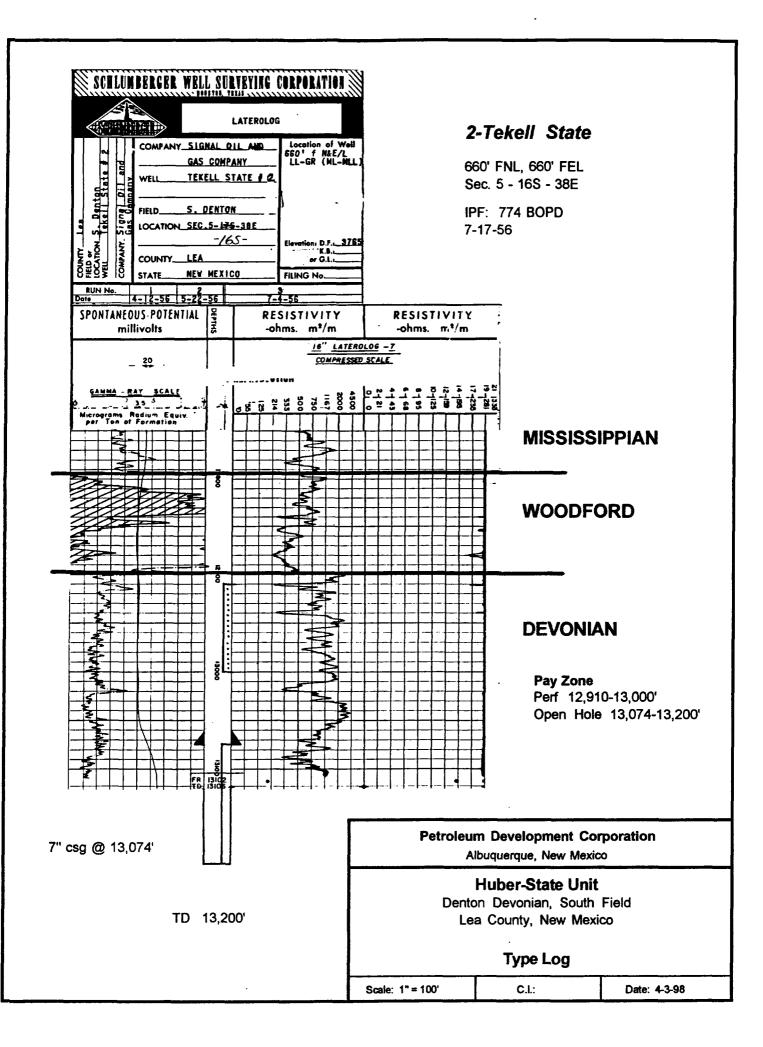
Geological Discussion

Abandoned fields throughout southeastern New Mexico undoubtedly hold millions of barrels of unrecovered reserves. In order to produce these reserves in an economic and prudent manner, it is necessary to drill additional infield wells at locations that are geologically correct without regard to the existing surface boundaries. To do otherwise will result in very little bypassed oil being recovered because, in most cases, the optimum locations chosen due to surface lease constraints have already been drilled by wells that are now abandoned

The South Denton (Devonian) Field produced in excess of 3,728,000 barrels of oil during its initial production lifetime. Detailed examination of the production from the field's wells indicates that there remains the potential to produce a large volume of unrecovered reserves from the abandoned field. Proper placement of new wells and the use of horizontal drilling technology should result in these reserves being produced. The <u>Huber-State Unit No. 1-H</u> horizontal lateral was chosen in an effort to drill the well in the best geological position without regard for the existing surface section lines. An economic benefit can be realized by re-entering the existing well bore of the EnergyPro, Inc. (formerly Kinlaw Energy) <u>Huber-State No. 1</u> well and drilling directionally and horizontally to the optimal location.

It is believed that the proposed bottom hole location of the <u>Huber-State Unit No. 1-H</u> is located at the highest structural position in the southeastern portion of the South Denton (Devonian) Field. It is felt that the optimal location of the horizontal lateral should result in attaining a structural position that is at least 50' higher than any of the nearby existing wells perforated intervals. Therefore, since ultimate oil cumulative production is directly related to structural position, the bottom hole placement should result in the highest ultimate recovery for the well. This higher structural location should also result in less water production during the lifetime of the well. To place the horizontal lateral in an "orthodox" location will not optimize the total oil reserves that the well otherwise would recover.





Huber-State Unit No. 1-H
330' FNL & 1150' FEL of Section 5, T-16-S, R38-E
Lea County, New Mexico

List of Operators and Lease Numbers

Shown below is a list of the offset lease owners names and addresses to whom certified letters have been sent indicating the unorthodox horizontal lateral and bottom hole location for the referenced well.

Yates Petroleum Corporation
 105 South Fourth Street
 Artesia, NM 88210

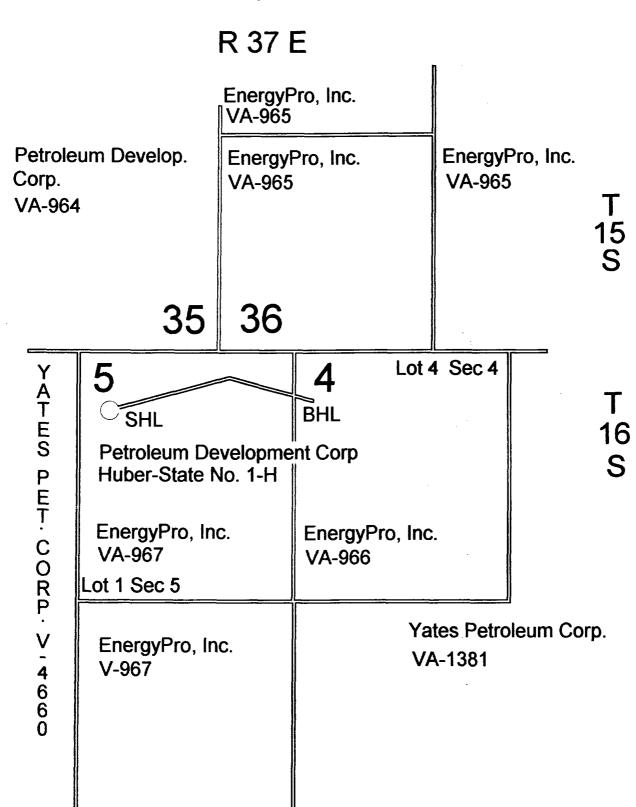
Lease VA-1381, V-4660

EnergyPro, Inc.
 500-A S. Hangar Dr.
 Georgetown, TX 78628

Lease VA-965, VA-966, VA-967

Ownership Map

Huber-State Unit No.1-H Lea County, New Mexico



R 38 E

District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210

District III 1000 Rio Brazos Rd., Azzec, NM 87410

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

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State Lease - 6 Copies Fee Lease - 5 Copies

District IV 2040 South Pache	co, Santa Fe	, NM 8750	05		·					AMEND	ED REPORT	
APPLICA	TION I	FOR P	ERMIT T	ro drii	LL, RE-EN	TER, DEE	PEN,	PLUGBA	ACK,	OR AD	D A ZONE	
				•	ne and Address.					¹ OGI	RID Number	
Petroleu		-	_	ration						174	1 70	
9720-B C		•			•					3 A	PI Number	
Albuquer	que, N	M 6/1.								30 - 0		
⁴ Prope	erty Code		Hube	r-State		Property Name				* Well No. 1-H		
<u> </u>					⁷ Surface	Location						
UL or lot no.	Section	Townsh	ip Range	Lot Idn	Feet from the	North/South	ine F	eet from the	East/V	Vest line	County	
1	1 5 16-S 38-E				330	North		1150	E	ast	Lea	
		8 1	Proposed	Bottom	Hole Loca	tion If Diff	erent :	From Sur	face			
UL or lot no.	Section	Townsh		Lot Idn	Feet from the	North/South	ine F	eet from the		Vest line	County	
4	4	10 - S	38-E		200	North		330	w	lest ————	Lea	
Dento	'Proposed Pool 1 Denton, South (Devonian)							* Ргора	sed Pool	2		
"Work 7	Гуре Code	_]	12 Well Typ	e Code	¹³ Cab	ole/Rotary Lesse Type C		Lesse Type Co	i		d Level Elevation	
F	C .		0		R	S S		S	3754		754	
" Mi	ultiple J		" Proposed Depth 13,500		" Formation Devonian			** Contractor		** Spud Date 5/15/98		
<u> </u>			21	Propos	ed Casing	and Cement	Prog	ram		<u> </u>		
Hole Si	ze	C			ig weight/foot	Setting D			f Cernen	t Estimated TOC		
16		12-	12-3/4		35			350		Surface		
12		8-	8-5/8		24		4971			850		
7-7	7/8	5-	5-1/2		17	12902		300		11500		
4-3	3/4	2-7/8	Liner	T	6.5	14000 MD						
					PEN or PLUG B dditional sheets if		on the	present produc	tive zone	and propos	ed new productive	
penetral horizont Specific	tion po tal lat BOP s 5000 p	oint a ceral system osi hy	pproxima will the is not draulic	ately 20 en be di yet kno rams, !	00' FNL & rilled ap own, but	rmerly Kingell will to 500' FEL approximate adequate proximate. Hydril, &	of So ly 700 prote	ec. 5, T 0' to th ction eq	-16-9 e BHI www.	S, R-38 L shown ent inc	above. luding	
Fixindy cerui			given above is t	rue and comp	lete to the best	Ωĭ	I CO	NSERVA	TION	DIVIC	ION	
of my knowledg Signature:	e and belief.	1	12.1	ا ن	}	Approved by:		HOLKYA	.1101	DI 412	TOIL	
Printed name:	LWY	<u> </u>	TXW	4								
1	Printed name: Don C. Pfiester Title: Approval Date: Expiration Date:											

District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-102 Revised October 18, 1994 Instructions on back

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

Certified plat filed with original C-102 from the VF Petroleum Huber-State #1.

Certificate Number

2040 South Pacheo	o, Santa F	e, NM 87505									AME	NDED REPORT	
		WE	LL LO	CATIO	N AND	ACR	EAGE DI	EDIC	CATION PL	.AT			
¹ Al	PI Numbe	er		² Pool Coo	le .			³ Pool Name					
						Denton, South (Devonian)							
⁴ Property C	Code	Hube	r-Stat	' Property Name						* Well Number 1-H			
'OGRID N			-	erator						* Elevation			
17470	oleum :	Develo	oment Co						37	54			
					10 Sur	face	Location						
UL or lot no.	t no. Section Tewnship Ra		Range	Let Idn	Feet from	the	North/South	line	Feet from the	East/Wes	st line	County	
1	5	16-S	38-E		330	00	Nort	h	1150	Eas	st	Lea	
			11 Bott	tom Ho	le Locati	on I	Differen	Fro	m Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from		North/South		Feet from the East/V			County	
4	4	16 - S	38 - E		200	0	Nort	h	330	Wes	st	Lea	
12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 105.82 N U Applied For													
NO ALLOW	ABLE V								NTERESTS H BY THE DIV		EN CO	NSOLIDATED	
16					# B, 4			20	I hereby cert	ify that the is	nformation	TIFICATION contained herein is knowledge and belief	
Sec. 35,	T-15-	-S. R-37	′–E	Sec	. 36. T	-15	Huber-S Unit		Printed Nar Agent		U		
200. 337		330'	Tolera Salara	5003	330' 200'			-	18SUR	tify that the v from field no supervision, e best of my	well locationtes of actual and that the belief.	TIFICATION on shown on this plat al surveys made by me the same is true and	

Sec. 4, T-16-S R-38-E

Sec. 5, T-16-S, R-38-E

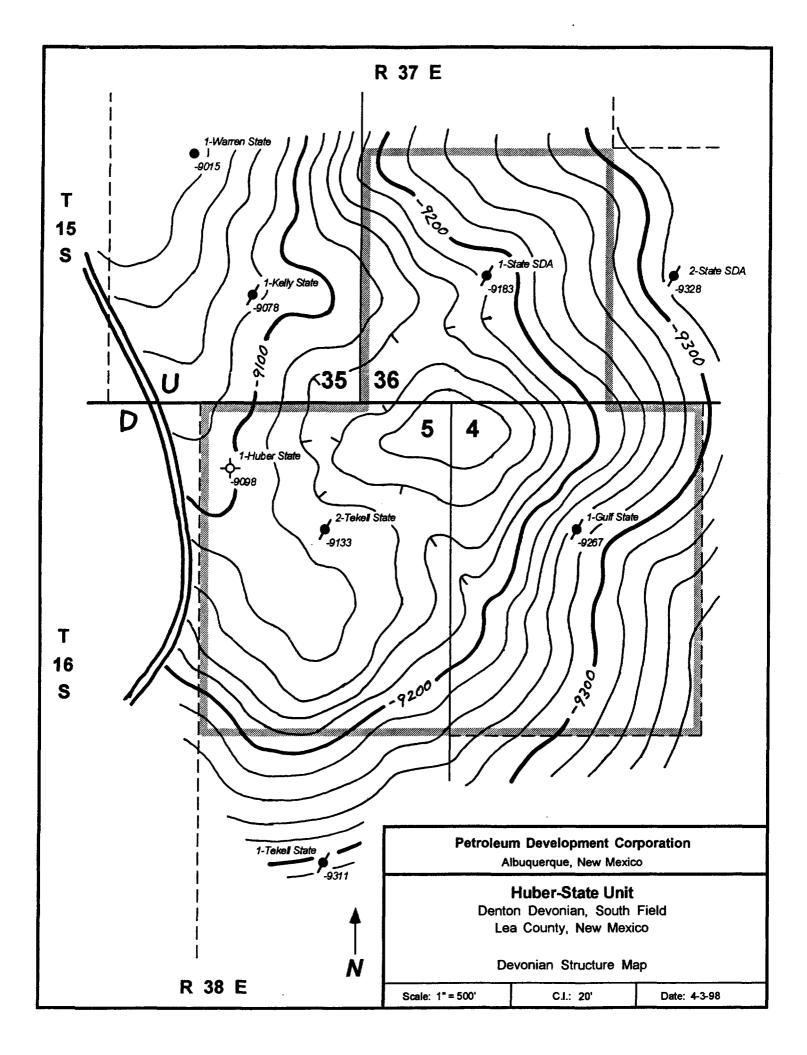
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330' FNL & 1150' FEL of Section 5, T-16-S, R38-E
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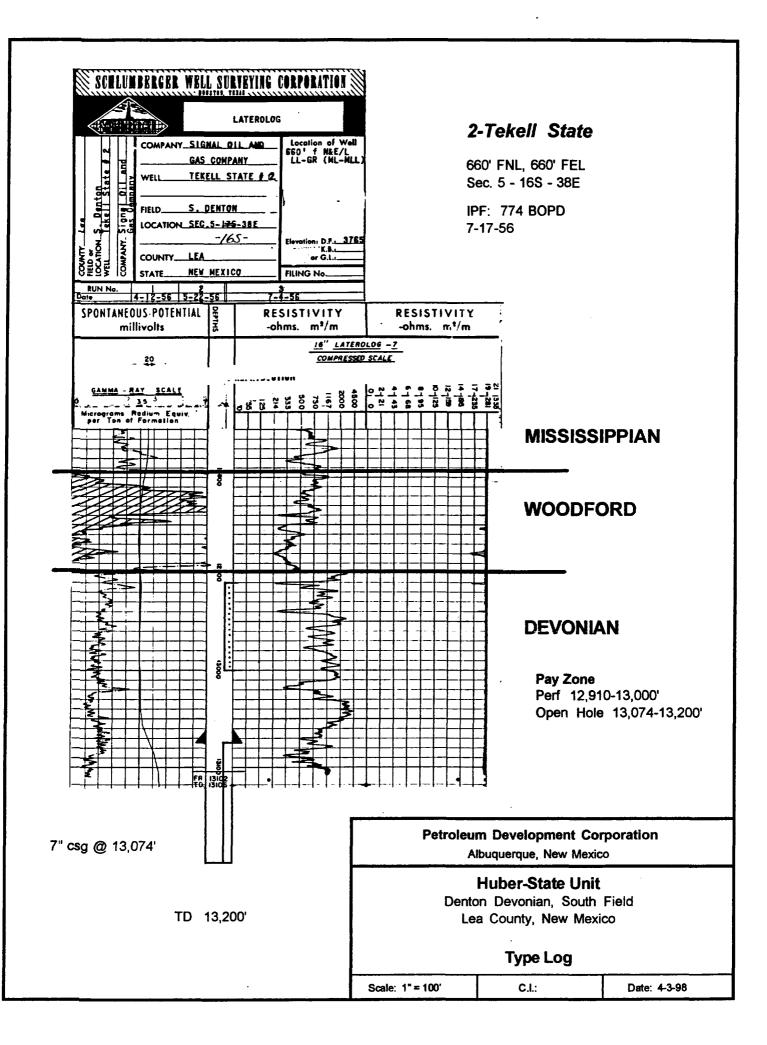
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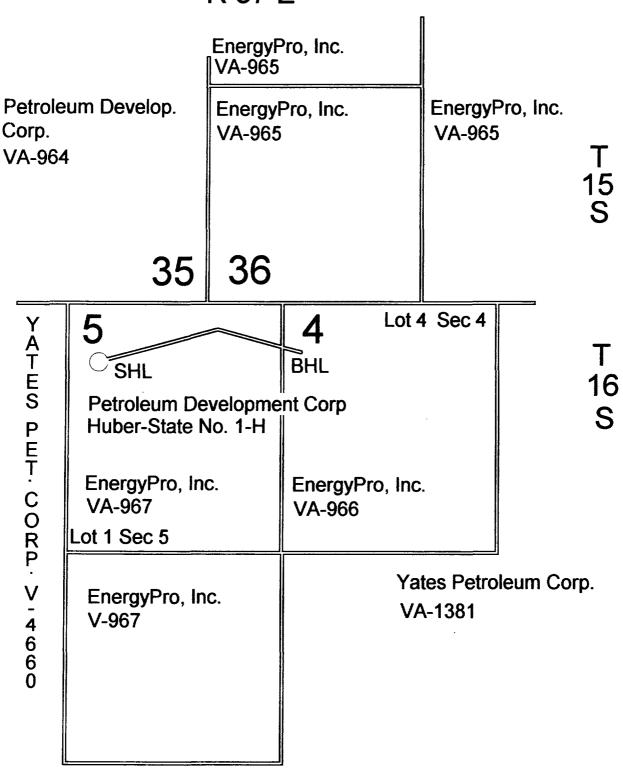
EnergyPro, Inc.
 500-A S. Hangar Dr.
 Georgetown, TX 78628

Lease VA-965, VA-966, VA-967

Ownership Map

Huber-State Unit No.1-H Lea County, New Mexico





R 38 E

CAMPBELL, CARR, BERGE & SHERIDAN, P.A.

LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
MICHAEL H. FELDEWERT
ANTHONY F. MEDEIROS
PAUL R. OWEN

JACK M. CAMPBELL OF COUNSEL -00

May 1, 1998

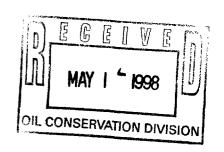
SUITE I - 110 NORTH GUADALUPE POST OFFICE BOX 2208 SANTA FE, NEW MEXICO 87504-2208

JEFFERSON PLACE

TELEPHONE: (505) 988-4421
FACSIMILE: (505) 983-6043
E-MAIL: CCbspa@ix.netcom.com

VIA HAND-DELIVERY

David R. Catanach
Hearing Examiner
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
2040 Pacheco Street
Santa Fe, New Mexico 87505



Re: Case 11968: Application of Petroleum Development Corporation for a Unit Agreement, Lea County, New Mexico

Dear Mr. Catanach:

Enclosed is the Preliminary Approval from the Commissioner of Public Lands for the proposed Huber State Unit which we received on this date.

Petroleum Development Corporation requests expedited consideration of this application for they are prepared to commence drilling of the initial unit well immediately upon receipt of the necessary government approvals.

Very truly yours,



WILLIAM F. CARR
Attorney for Petroleum Deve

Attorney for Petroleum Development Corporation

Enc. cc:

Don C. Pfiester (Via Facsimile)

EnergyPro, Inc.

500-A South Hanger Drive Georgetown, Texas 78628

FAX (512) 869-8543

Jim Johnson (Via Facsimile) Petroleum Development Corporation 9720 B Candelaria, NE Albuquerque, New Mexico 87112 FAX: (505) 293-4133

John Kullman (Via Facsimile) Century Plaza 310 W. Wall, Suite 415 Midland Texas 79701 FAX: (915) 682-3281



COMMERCIAL RESOURCES (505)-827-5724

SURFACE RESOURCES (505)-827'-5795

MINERAL RESOURCES (505)-827-5744

> ROYALTY (505)-827-5772

State of New Mexico Commissioner of Public Lands

Ray Powell, M.S., D.V.M.
310 Old Santa Fe Trail, P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS (505)-827-5765

ADMINISTRATIVE MOMT. (505)-827-5700

> LEGAL (505)-827-5715

PLANNING (505)-827-5752

CARR, et. al.

April 29, 1998

Campbell, Carr, Berge & Sheridan, P.A P.O. Box 2208 Santa Fe, New Mexico 87504-2208

A:tn:

Mr. William F. Carr

Re:

Preliminary Approval Proposed Huber State Unit Lea County, New Mexico

Dear Mr. Carr:

This office has received the copy of the unit agreement which you have submitted for the proposed Huber Unit area, Lea County, New Mexico. This agreement meets the general requirements of the Commissioner of Public Lands, who has this date granted you preliminary approval as to form and content.

Preliminary approval shall not be construed to mean final approval of this agreement in any way and will not extend any short term leases, until final approval and an effective date have been given.

When submitting your agreement for final approval, please submit the following:

- Application for final approval by the Commissioner setting forth the tracts that have been committed and the tracts that have not been committed.
- 2. Pursuant to Rule 1.045, applications for approval shall contain a statement of facts showing.
 - a. That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy.
 - b. That under the proposed unit operation, the State of New Mexico will receive its fair share of the recoverable oil and gas in place under its lands in the proposed unit area.
 - c. That each beneficiary institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the unit area.
 - d. That such unit agreement is in other respects for the best interest of the trust.
- 3. All ratifications from the Lessees of Record and Working Interest Owners. All signatures should be acknowledged by a notary and one set must contain original signatures.

Campbell, Carr, Berge & Sheridan, P.A. April 29, 1998 Page 2

- 4. Order of the New Mexico Oil Conservation Division. Our approval will be conditioned upon subsequent favorable approval by the New Mexico Oil Conservation Division.
- 5. Please submit two copies of the Unit Agreement.
- 6. A copy of the Unit Operating Agreement (if applicable).
- 7. The filing fee for a Unit Agreement is thirty (\$30.00) dollars for every section or partial section thereof. Please submit a filing fee in the amount of \$90.00.
- 8. On Page 5 of the agreement, Article 17, Effective Date & Term, please fill in the term (5 years and so long as).
- 9. Copies of all the well records for the initial unit well.
- 10. A \$20,000 Surface Improvement Damage Bond. Enclosed are copies of our Surface Improvement Damage Bond.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M. COMMISSIONER OF PUBLIC LANDS

BY:

JAMI BAILEY, Director Oil/Gas and Minerals Division (505) 827-5744

RP/JB/cpm

pc: Reader File

OCD-Mr. Roy Johnson

EnergyPro, Inc.