



RECEIVED OGD

2016 MAR 18 P 1:55

Joey Moppert
MCBU - NM Permian

600 N. Dairy Ashford
P10-05-5040
Houston, TX 77079

Phone: 281-206-5165
Edward.J.Moppert@ConocoPhillips.com

March 15, 2016

Bureau of Land Management
Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292

211710
C11950

State of New Mexico
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

RE: Southeast Monument (SEMU) Unit
I-SEC. No. 321, Serial No. NMNM-071041X
Lea County, New Mexico
Upper Permian (Grayburg San Andres) Participating Area
Application for Nineteenth Revision

Dear Sir or Madam,

ConocoPhillips Company, as Unit Operator under the Unit Agreement for the above referenced Unit, approved December 16, 1939, hereby applies for the approval of the Nineteenth Revision of the Participating Area for the Grayburg formation pursuant to Section 8 of the Unit Agreement.

I.

The Eighteenth Revised Upper Permian Participating Area, which has been approved as effective January 1, 1960, and is now in effect, consists of 2,603.58 acres described as follows:

Township 20 South, Range 37 East, N.M.P.M.

Section 13: SW/4NE/4, SE/4, NW/4SW/4 and S/2SW/4
Section 14: S/2NE/4 and SE/4
Section 23: N/2NE/4
Section 24: NW/4NW/4, E/2W/2 and E/2
Section 25: NE/4 and N/2SE/4

Township 20 South, Range 38 East, N.M.P.M.

Section 18: Lots 3 and 4, SE/4SW/4, SW/4SE/4
Section 19: Lots 1, 2, 3, and 4, E/2W/2, SE/4, NW/4NE/4 and S/2NE/4
Section 30: N/2, N/2SW/4 and NW/4SE/4

By this application, ConocoPhillips Company, requests that the Nineteenth Revision of the Upper Permian Participating Area be made effective May 1, 2013, by adding to the above-described Eighteenth Revised Upper Permian Participating Area the following described 40 acres:

Township 20 South, Range 37 East, N.M.P.M.

Section 24: SW/4SW/4

The Nineteenth Revised Upper Permian Participating Area, for which approval is hereby requested effective May 1, 2013, consists of the above-described Eighteenth Revised Upper Permian Participating Area and the above-described 40 acres, being a total of 2,643.58 acres described as follows:

Township 20 South, Range 37 East, N.M.P.M.

Section 13: SW/4NE/4, SE/4, NW/4SW/4 and S/2SW/4

Section 14: S/2NE/4 and SE/4

Section 23: N/2NE/4

Section 24: NW/4NW/4, SW/4SW/4, E/2W/2 and E/2

Section 25: NE/4 and N/2SE/4

Township 20 South, Range 38 East, N.M.P.M.

Section 18: Lots 3 and 4, SE/4SW/4, SW/4SE/4

Section 19: Lots 1, 2, 3, and 4, E/2W/2, SE/4, NW/4NE/4 and S/2NE/4

Section 30: N/2, N/2SW/4 and NW/4SE/4

The Nineteenth Revision of the Upper Permian Participating Area, as requested by this application, is predicated upon the following information. On January 15, 2015 a Commercial Well Determination for the SEMU Tubb #158 was submitted for approval. On November 4, 2015 ConocoPhillips Company received notice that it's application for Paying Well Determination on the SEMU TUBB #158 is capable of producing unitized substances in paying quantities from the Upper Permian (Grayburg) formation. The #158 located in the SW/4SW/4 Section 24 was drilled and completed in the Grayburg formation from 3,729'-3,956' MD in May of 2013.

For the reasons given above, it is reasonable to include all the lands described above within the Nineteenth Revised Upper Permian Participating Area. All such lands to be included within this revision were reasonably proved to be within the production area of the Grayburg formation. The determination is clearly supported by the Geologic and Engineering Comments (Exhibit "C") attached to the application.

II.

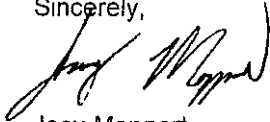
The exhibits attached to and made a part of this application are identified as follows:

- Exhibit "A" – Ownership map showing the outline of the Unit Area, the Eighteenth Revised Upper Permian Participating Area, and the Nineteenth Revised Upper Permian Participating Area.
- Exhibit "B" – A separate schedule of the requested participating area showing the lands to be included therein, together with the percentage of the unitized substances produced from the Grayburg formation to be allocated to each unit tract or portion thereof included in such participating area during the period such participating area is effective.
- Exhibit "C" – Geologic and Engineering Comments presenting data available to substantiate the requested Nineteenth Revised Upper Permian Participating Area.

ConocoPhillips Company respectfully requests that pursuant to and in accordance with the provisions of Section 8 of the Unit Agreement, the Nineteenth Revised Upper Permian Participating Area and the percentage allocations as set forth in the attached schedule (Exhibit "B") be approved and made effective as of the date requested herein.

Please contact the undersigned at (281) 206-5165 if there are any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Joey Moppert", written over the word "Sincerely,".

Joey Moppert
Associate Landman



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

New Mexico State Office

P.O. Box 27115

Santa Fe, New Mexico 87502-0115

www.blm.gov/nm



IN REPLY REFER TO:
NMNM071016X
3180 NM P0220

11/4/2015

Reference:

SEMU TUBB #158 (API 30-025-35539)

Lea County, New Mexico

Commercial Well Determination

Grayburg Formation

Mr. Edward J. Moppert
ConocoPhillips
Mid - America - Permian
P.O. Box 2197 PK - 5030
Houston, TX 77252-2197

Gentlemen:

Thank you for your letter of January 15, 2015 along with data that supports your determination the above captioned well is commercial. This office concurs with your determination that the above captioned well is capable of producing unitized substances in paying quantities from the Grayburg formation.

A new Grayburg formation participating area is required. ConocoPhillips is required to submit the proposed participating area information within sixty days (60) from receipt of this letter.

Under provisions of 43 CFR 3165.3, you may request a State Director Review of the decision described above. Such a request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P.O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order unless the reviewing official so determines. Procedures governing appeals form instructions, orders, or decisions are contained in 43 CFR 2175.4 and 43 CFR Part 4.

If you have any questions, please contact Kenneth G. Rennick at 575-234-5964 or Edward G. Fernandez at 575-234-2220.

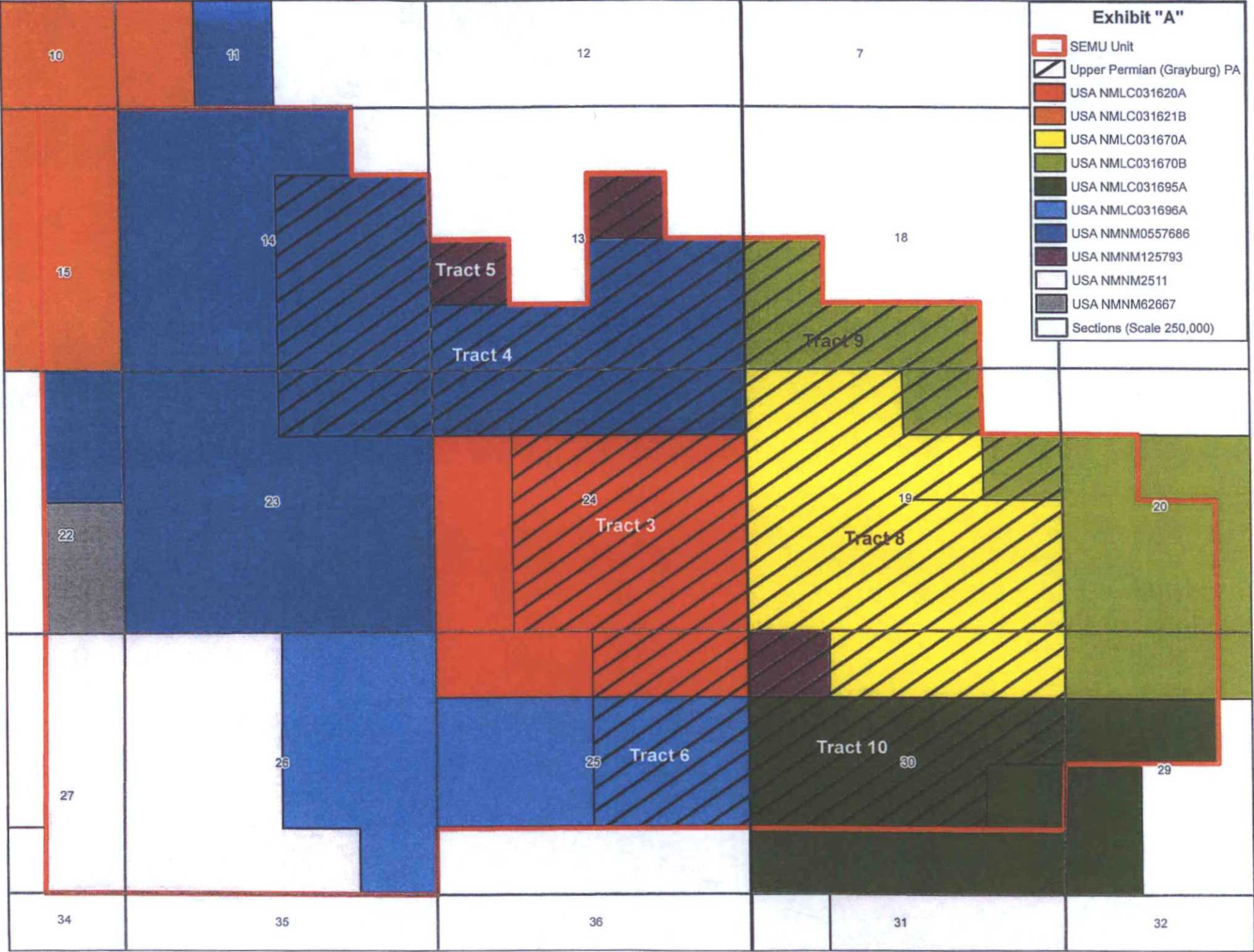
Sincerely,

A handwritten signature in black ink, appearing to read "Stephen J Caffey".

Stephen Caffey
Assistant Field Manager,
Lands and Minerals

1 enclosure

cc:
Commissioner of Public Lands
ONRR, Denver (w/o enclosure)
New Mexico Taxation and Revenue Department,
Revenue Processing Division, (w/o enclosure)
NM 9200(w/o enclosure)
NM P0220, File Room



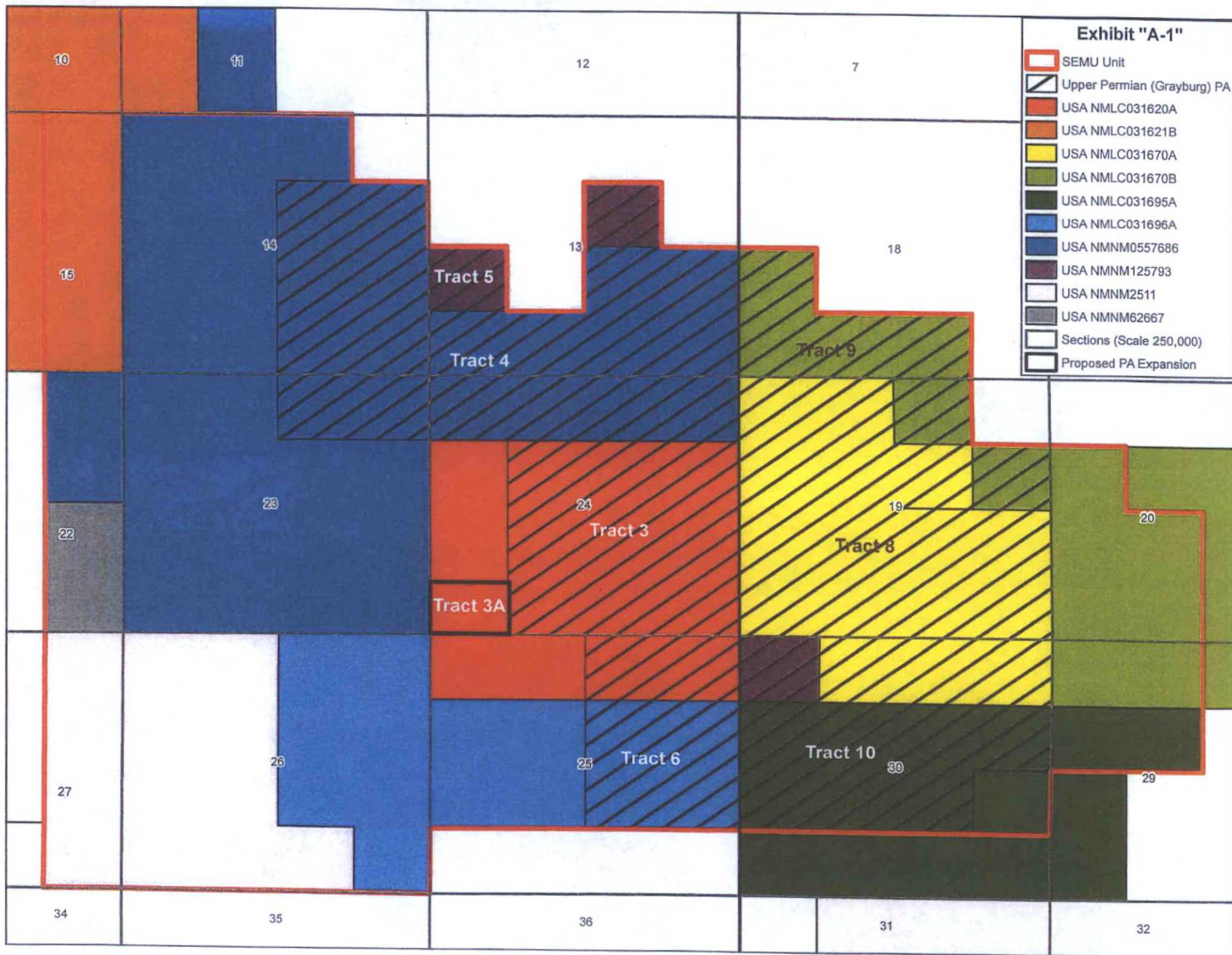


EXHIBIT "B"

Nineteenth Expansion to Upper Permian (Grayburg San Andres) Participating Area, Effective May 1, 2013 Southeast Monument Unit Area (I-SEC. No. 321), Lea County, New Mexico

Serial Number	Description	Number of Acres	Drilling Block		Percentage Committed	Present Actual Participation
			Ownership	Percentage		
LC 031620(a)	T-20-S, R-37-E Section 24: SE/4NW/4, S/2NE/4, SE/4, E/2SW/4 Section 25: N/2NE/4	440.00	<u>Tract 3</u>			16.644096 %
			Royalty:	5.000000 %	5.000000 %	
			Working Interest:			
			ConocoPhillips Company	43.750000 %	43.750000 %	
			ZPZ Delaware I LLC	21.875000	21.875000	
			Penroc Oil Corporation	21.875000	21.875000	
			ORRI:	7.500000 %	7.500000 %	
			Total	100.000000 %	100.000000 %	
LC 031620(a)	T-20-S, R-37-E Section 24: SW/4SW/4	40.00	<u>Tract 3A</u>			1.513100 %
			Royalty:	5.000000 %	5.000000 %	
			Working Interest:			
			ConocoPhillips Company	43.750000 %	43.750000	
			ZPZ Delaware I LLC	21.875000	21.875000	
			Chevron USA Inc	21.875000	21.875000 %	
			ORRI:	7.500000 %	7.500000 %	
			Total	100.000000 %	100.000000 %	
NM 0557686	T-20-S, R-37-E Section 13: S/2SW/4, SE/4 Section 14: S/2NE/4, SE/4 Section 23: N/2NE/4 Section 24: N/2N/2	720.00	<u>Tract 4</u>			27.235794 %
			Royalty:	12.500000 %	12.500000 %	
			Working Interest:			
			ConocoPhillips Company	43.750000	43.750000	
			ZPZ Delaware I LLC	21.875000 %	21.875000 %	
			Penroc Oil Corporation	21.875000	21.875000	
			ORRI:	0.000000 %	0.000000 %	
			Total	100.000000 %	100.000000 %	

NM125793	T-20-S, R-37-E Section 13: NW/4SW/4, SW/4NE/4 T-20S, R38-E Section 30: Lot 1	120.38	<u>Tract 5</u> Royalty: 12.500000 % Working Interest: ConocoPhillips Company 43.750000 ZPZ Delaware I LLC 21.875000 % Penroc Oil Corporation 21.875000 ORRI: 0.000000 % Total 100.000000 %	12.500000 % 43.750000 21.875000 % 21.875000 0.000000 % 100.000000 %	4.553673 %
LC 031696 (a)	T-20-S, R-37-E Section 25: S/2NE/4, N/2SE/4	160.00	<u>Tract 6</u> Royalty: 5.000000 % Working Interest: ConocoPhillips Company 43.750000 ZPZ Delaware I LLC 21.875000 % Penroc Oil Corporation 21.875000 ORRI: 7.500000 % Total 100.000000 %	5.000000 % 43.750000 21.875000 % 21.875000 7.500000 % 100.000000 %	6.052399 %
LC 031670 (a)	T-20S, R38-E Section 19: Lots 1,2,3 & 4, E/2W/2, SE/4, SW/4NE/4 Section 30: NE/4NW/4, N/2NE/4	641.68	<u>Tract 8</u> Royalty: 5.000000 % Working Interest: ConocoPhillips Company 43.750000 ZPZ Delaware I LLC 21.875000 % Penroc Oil Corporation 21.875000 ORRI: 7.500000 % Total 100.000000 %	5.000000 % 43.750000 21.875000 % 21.875000 7.500000 % 100.000000 %	24.273145 %
LC 031670 (b)	T-20S, R38-E Section 18: Lots 3 & 4, SE/4SW/4, SW/4SE/4 Section 19: NW/4NE/4, SE/4NE/4	240.92	<u>Tract 9</u> Royalty: 12.500000 % Working Interest: ConocoPhillips Company 43.750000 ZPZ Delaware I LLC 21.875000 % Penroc Oil Corporation 21.875000 ORRI: 0.000000 % Total 100.000000 %	12.500000 % 43.750000 21.875000 % 21.875000 0.000000 % 100.000000 %	9.113399 %
LC 031695 (a)	T-20S, R38-E Section 30: Lots 2 & 3, SE/4NW/4, NE/4SW/4, S/2NE/4, NW/4SE/4	280.60	<u>Tract 10</u> Royalty: 5.000000 % Working Interest: ConocoPhillips Company 43.750000 ZPZ Delaware I LLC 21.875000 % Penroc Oil Corporation 21.875000 ORRI: 7.500000 % Total 100.000000 %	5.000000 % 43.750000 21.875000 % 21.875000 7.500000 % 100.000000 %	10.614394 %

			<u>Recapitulation</u>		100.00000	%
			Description of Lands in Participating Area:			
			<u>Township 20 South, Range 37 East, N.M.P.M.</u>			
			Section 13: SW/4NE/4, SE/4, NW/4SW/4 and S/2SW/4			
			Section 14: S/2NE/4 and SE/4			
			Section 23: N/2NE/4			
			Section 24: NW/4NW/4, SW/4SW/4, E/2W/2 and E/2			
			Section 25: NE/4 and N/2SE/4			
			<u>Township 20 South, Range 38 East, N.M.P.M.</u>			
			Section 18: Lots 3 and 4, SE/4SW/4, SW/4SE/4			
			Section 19: Lots 1, 2, 3 and 4, E/2W/2, SE/4, NW/4NE/4 and S/2NE/4			
			Section 30: N/2, N/2SW/4 and NW/4SE/4			
			Total number of acres in participating area:	2,643.58		
			Total Federal Acres	2,643.58		
			Percent of basic royalty interest committed:	100.00	%	
			Percent of working interest committed:	100.00	%	
			Percent of overriding royalty interest committed:	100.00	%	
			<u>Participating Area Ownership Summary</u>			
				WI	NRI	
			ConocoPhillips Company	50.0000%	43.7500%	
			ZPZ Delaware I LLC	25.0000%	21.8750%	
			Penroc Oil Corporation	24.6217%	21.5440%	
			Chevron USA Inc	0.3783%	0.3310%	
			Total	100.0000%	87.5000%	

EXHIBIT "C"

Geologic and Engineering Comments Nineteenth Revised Upper Permian Participating Area SEMU Unit Area, Lea County, New Mexico

The existing Grayburg participating area is based on extension of the existing Waterflood area and their associated productivity from the wells originally drilled in the 1950's and 1960's. Best production and reservoir qualities are seen on sections 19 & 18 from T20SR38E and sections 24 & 13 from T20SR37E.

The Grayburg formation in the eastern area of the SEMU unit has been characterized using well logs, core descriptions, and acoustic impedance maps. Our interpretations indicate that the Grayburg was deposited upon a carbonate ramp as a series of shallowing-upward cycles to form a composite sequence of mixed carbonates and siliciclastics. Best producing reservoirs consist of grain dominated facies – grain dominated packstones/wackstones and oolitic grainstones - with variable proportion of k-rich, fine grained sandstones with low mud content.

The distribution of the best reservoir facies within Grayburg clearly show an elongated, running north-south, geobody (shelf-margin parallel feature) that is 1 to 1.5 miles wide (figure 1). From the SoPHIH map, it is clearly seen that the good reservoir facies extend westward towards SEMU 158 from the axial center seen on sections 19 and 30. That same conclusion can be extracted from the cross section (figure 2), where good porosity and SW values are seen across the Grayburg, mainly in the lower section. Production results seen from SEMU 158, together with the geological interpretation of the Grayburg in SEMU, clearly support that the PA extension (red outline in map – fig 1) is expanded westward to incorporate SEMU 158 into the PA.

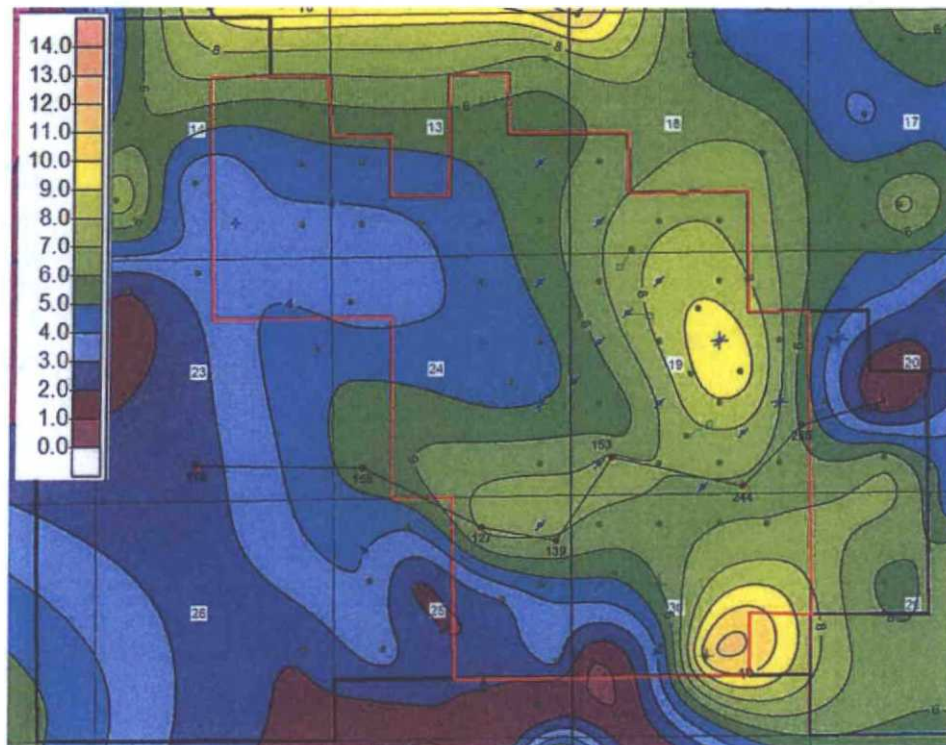


Figure 1: Grayburg SOPHIH values within SEMU unit. Black outline is SEMU Unit. Red outline is PA extension. Notice how good properties mainly run north-south; however, good facies are also seen in a belt west-ward that runs through SEMU 158.

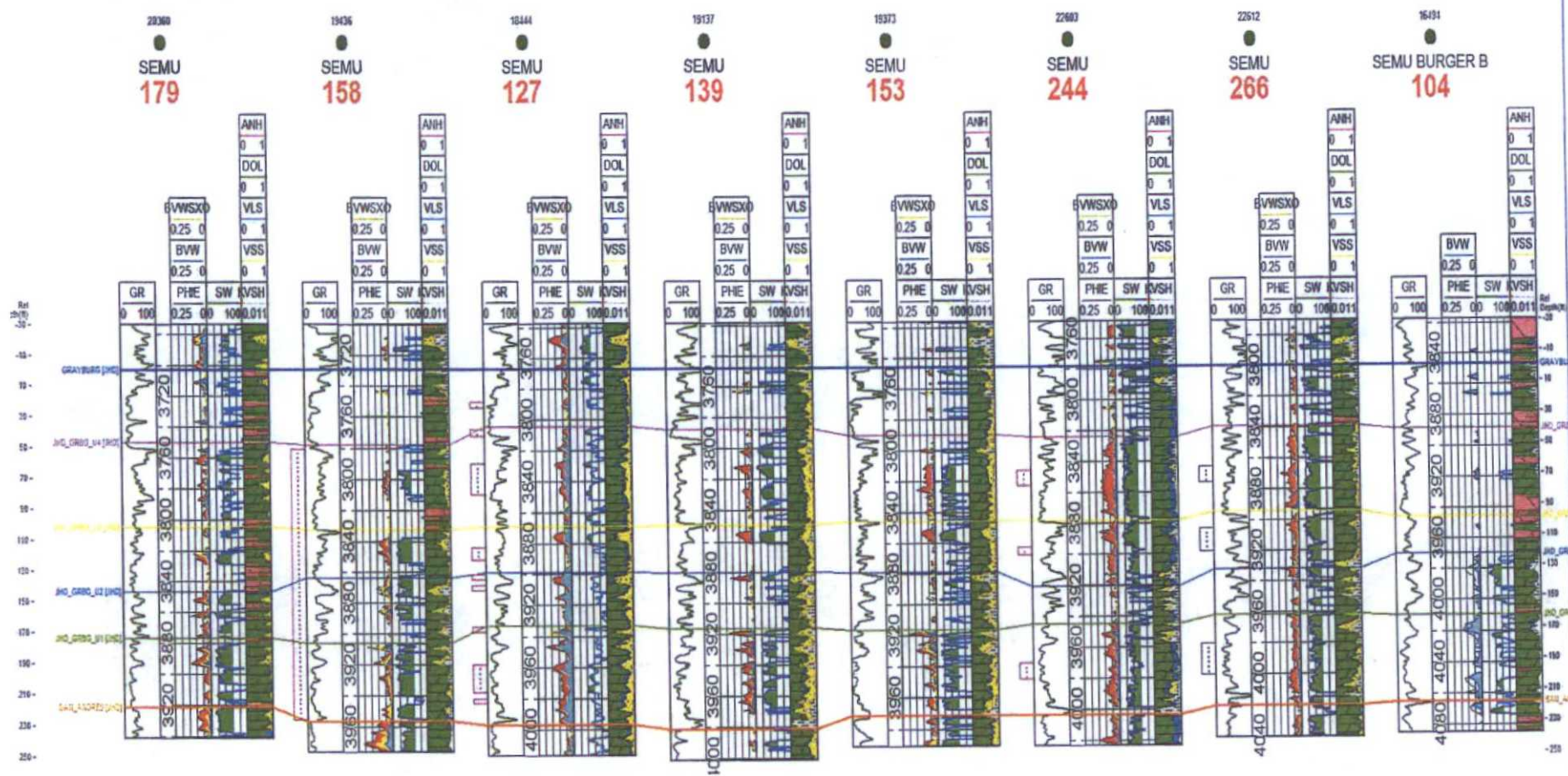


Figure 2: West-East cross section showing reservoir properties within the Grayburg in SEMU. Notice how the SW and PHI values are present in well #158, mainly in the lower part of the pool. This continuity of the reservoir indicates the Grayburg PA should be expanded to incorporate SEMU 158 into the existing development area.

ConocoPhillips

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2016 MAR -7 P. 3:41

Joey Moppert
Associate Landman
Mid-America – Permian Basin
600 N. Dairy Ashford, P10-05-5040
Houston, TX 77079
Tel: 281-206-5165
Fax: 281-206-5721

February 24, 2016

Bureau of Land Management
Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292

State of New Mexico
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

RE: Southeast Monument (SEMU) Unit
I-SEC. No. 321, Serial No. NMNM-071041X
2016 Plan of Development
Lea County, New Mexico
ConocoPhillips Contract 100197

Dear Sir or Madam,

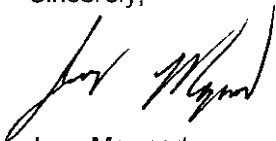
ConocoPhillips Company, as Unit Operator of the Southeast Monument (SEMU) Unit, hereby submits for your approval, our 2016 Plan of Development.

Items are included as follows: Planned 2016 operations; previous year operations; current status of all wells within the unit; production graphs for each productive reservoir. Also attached are three current maps, each showing respectively the units: structural and geologic interpretations; participating area boundaries; wells, flow-lines, and roads.

It is understood that approval of this plan does not approve the work covered by the plan. Individual approval is still required for such items as APDs/ROWs/etc.

Any modifications or additions to this Plan of Development will be filed as supplements to the plan.

Sincerely,



Joey Moppert
Associate Landman

2 R11710
CAS 211950

2016 Planned Operations:

Drilling

None

Re-Completions and Plug Backs

Well Name	API #	Locations	Original Zone	New Zone
SEMU #160	30-025-35583	T20S-R37E Sec 14 Unit K	Strawn	Blinberry/Tubb/Drinkard
SEMU #15	30-025-07810	T20S-R38E Sec 19 Unit L	Grayburg	Grayburg (deepening)
SEMU #17	30-025-07811	T20S-R38E Sec 19 Unit N	Grayburg	Grayburg (deepening)
SEMU #19	30-025-07862	T20S-R38E Sec 30 Unit B	Grayburg	Grayburg (deepening)
SEMU #27	30-025-07814	T20S-R38E Sec 19 Unit F	Grayburg	Grayburg (deepening)
SEMU #29	30-025-06250	T20S-R37E Sec 24 Unit H	Grayburg	Grayburg (deepening)
SEMU #33	30-025-07819	T20S-R38E Sec 19 Unit D	Grayburg	Grayburg (deepening)
SEMU #34	30-025-07820	T20S-R38E Sec 19 Unit J	Grayburg	Grayburg (deepening)
SEMU #77	30-025-07798	T20S-R38E Sec 18 Unit L	Grayburg	Grayburg (deepening)
SEMU #80	30-025-06087	T20S-R37E Sec 13 Unit J	Grayburg	Grayburg (deepening)
SEMU #125	30-025-34126	T20S-R38E Sec 18 Unit M	Tubb	Grayburg
SEMU #126	30-025-34127	T20S-R38E Sec 19 Unit M	Tubb	Grayburg

Conversion

Well Name	API #	Locations	Original Zone	New Zone
SEMU #021	30-025-07816	T20S-R38E Sec 19 Unit O	Tubb	Grayburg - WI
SEMU #023	30-025-07861	T20S-R38E Sec 30 Unit C	Eumont	Grayburg - WI
SEMU #059	30-025-07834	T20S-R38E Sec 20 Unit M	Blinberry/Tubb/Drinkard	Grayburg - WI
SEMU #60	30-025-07857	T20S-R38E Sec 29 Unit E	Drinkard	Grayburg - WI
SEMU #075	30-025-07800	T20S-R38E Sec 18 Unit O	Grayburg	Grayburg - WI
SEMU #157	30-025-35538	T20S-R38 Sec 30 Unit A	Tubb/Drinkard	Grayburg - WI

Abandonment

Well Name	API #	Location	Status
SEMU #128	30-025-34313	T20S-R37E-Sec 24 Unit I	Plugged & Abandoned

Other surface disturbing operations

Well Name	API # or Formation	Location	Operation
SEMU #128	30-025-34313	T20S-R37E, Sec 24 Unit I	Final Reclamation

2016 Plan of Development
Southeast Monument (SEMU) Unit Sec. No. 321

SEMU #254	Grayburg	T20S-R38E, Sec 30 Unit H	Stake Well
SEMU #255	Grayburg	T20S-R38E, Sec 30 Unit G	Stake Well
SEMU #256	Grayburg	T20S-R37E, Sec 24 Unit O	Stake Well
SEMU #262	Grayburg	T20S-R37E, Sec 25 Unit A	Stake Well
SEMU #264	Grayburg	T20S-R37E, Sec 25 Unit A	Stake Well
SEMU #267	Grayburg	T20S-R38E, Sec 30 Unit A	Stake Well
SEMU #268	Grayburg	T20S-R38E, Sec 30 Unit A	Stake Well
SEMU #269	Grayburg	T20S-R38E, Sec 30 Unit G	Stake Well
SEMU #271	Grayburg	T20S-R38E, Sec 30 Unit E	Stake Well
SEMU #272	Grayburg	T20S-R37E, Sec 13 Unit I	Stake Well
SEMU #273	Grayburg	T20S-R37E, Sec 25 Unit H	Stake Well
SEMU #275	Grayburg	T20S-R38E, Sec 30 Unit G	Stake Well
SEMU #276	Grayburg	T20S-R38E, Sec 30 Unit H	Stake Well
SEMU #277	Grayburg	T20S-R38E, Sec 30 Unit P	Stake Well
SEMU #282	Grayburg	T20S-R37E, Sec 24 Unit B	Stake Well
SEMU #283	Grayburg	T20S-R37E, Sec 13 Unit I	Stake Well
SEMU #285	Grayburg	T20S-R37E, Sec 24 Unit O	Stake Well
SEMU #286	Grayburg	T20S-R37E, Sec 25 Unit G	Stake Well
SEMU #287	Grayburg	T20S-R37E, Sec 25 Unit G	Stake Well
SEMU #288	Grayburg	T20S-R38E, Sec 30 Unit E	Stake Well
SEMU #289	Grayburg	T20S-R37E, Sec 25 Unit H	Stake Well
SEMU #290	Grayburg	T20S-R38E, Sec 30 Unit O	Stake Well

Previous Year Operations (2015):

Drilling

None

Re-Completions and Plug Backs

None

Conversion

None

Abandonment

None

Other surface disturbing operations

Well Name	API # or Formation	Location	Operation
SEMU #128	30-025-34313	T20S-R37E-Sec 24 Unit I	Final Reclamation
SEMU Permian Battery	N/A – Facility	T20S-R37E-Sec 24 Unit A	Injection pump upgrade

Carry-overs:

The following planned reworks are being carried over from ConocoPhillips 2015 Plan of Development within SEMU.

Well Name	Location	Est. Spud Date	Target
SEMU #128	30-025-34313	T20S-R37E-Sec 24 Unit I	Final Reclamation

Status of all Wells within the Unit:

WELL NAME	WELL NO.	API	TWN	RNG	SEC	UL	PA Y/N	FORMATION CODE	PRODUCTION STATUS
SEMU	1	300250785900	20S	38E	30	H	N	452TUBB	P&A
SEMU TUBB	2	300250624100	20S	37E	23	E	Y	452TUBB	P&A
SEMU PENN	3	300250624200	20S	37E	23	K	Y	409PSLV	P&A
SEMU DK WEIR	4	300250624400	20S	37E	23	G	N	452DRKD	P&A
SEMU PENN	6	300250624500	20S	37E	23	A	N	409PSLV	P&A
SEMU-SKAGGS B	7	300250624600	20S	37E	23	F	Y	453GRBG	P&A
SEMU	8	300250624700	20S	37E	23	C	N	452BLBR	P&A
SEMU PENN	9	300250624300	20S	37E	23	O	N	309DVNN	P&A
SEMU MCKEE	10	300250784900	20S	38E	29	F	Y	452BLBR	PUMPING
SEMU MCKEE	10	300250784900	20S	38E	29	F	N	452TUBB	PUMPING
SEMU MCKEE	10	300250784900	20S	38E	29	F	N	452DRKD	PUMPING
SEMU MCKEE	11	300250784600	20S	38E	29	D	N	452TUBB	PUMPING
SEMU MCKEE	11	300250784600	20S	38E	29	D	N	452DRKD	PUMPING
SEMU MCKEE	13	300250782900	20S	38E	20	N	Y	202MCKE	P&A
SEMU PERMIAN	14	300250625600	20S	37E	24	I	Y	453GRBG	P&A
SEMU PERMIAN	15	300250781000	20S	38E	19	L	Y	453GRBG	PUMPING
SEMU PERMIAN	16	300250786300	20S	38E	30	F	Y	453GRBG	P&A
SEMU PERMIAN	17	300250781100	20S	38E	19	N	Y	453GRBG	PUMPING
SEMU PERMIAN	18	300250781200	20S	38E	19	N	Y	453GRBG	ACTIVE SERV
SEMU PERMIAN	19	300250786200	20S	38E	30	B	Y	453GRBG	PUMPING
SEMU PERMIAN	20	300250781300	20S	38E	19	B	Y	453GRBG	ACTIVE SERV
SEMU BURGER	21	300250781600	20S	38E	19	O	N	452TUBB	PUMPING
SEMU PERMIAN	22	300250786000	20S	38E	30	D	Y	453GRBG	PUMPING
SEMU PERMIAN	23	300250786100	20S	38E	30	D	Y	453YSRQ	PUMPING
SEMU PERMIAN	24	300250624900	20S	37E	24	P	Y	453GRBG	PUMPING
SEMU PERMIAN	25	300250626200	20S	37E	25	P	Y	453GRBG	ACTIVE SERV
SEMU PERMIAN	26	300250786400	20S	37E	24	P	Y	453GRBG	ACTIVE SERV

2016 Plan of Development
Southeast Monument (SEMU) Unit Sec. No. 321

SEMU PERMIAN	27	300250781400	20S	38E	19	F	Y	453GRBG	PUMPING
SEMU PERMIAN	28	300250781500	20S	38E	19	E	Y	453GRBG	ACTIVE SERV
SEMU PERMIAN	29	300250625000	20S	37E	24	H	Y	453GRBG	PUMPING
SEMU PERMIAN	30	300250625700	20S	37E	25	H	Y	453GRBG	P&A
SEMU PERMIAN	31	300250781700	20S	38E	19	C	Y	453GRBG	ACTIVE SERV
SEMU PERMIAN	32	300250781800	20S	38E	19	J	Y	453GRBG	P&A
SEMU PERMIAN	33	300250781900	20S	38E	19	D	Y	453GRBG	PUMPING
SEMU PERMIAN	34	300250782000	20S	38E	19	J	Y	453GRBG	PUMPING
SEMU PERMIAN	35	300250625100	20S	37E	24	G	Y	453GRBG	P&A
SEMU PERMIAN	36	300250625300	20S	37E	24	A	Y	453GRBG	ACTIVE SERV
SEMU PERMIAN	37	300250625200	20S	37E	24	J	Y	453GRBG	PUMPING
SEMU PERMIAN	38	300250625400	20S	37E	24	B	Y	453GRBG	PUMPING
SEMU PERMIAN	39	300250782300	20S	38E	19	H	Y	453GRBG	PUMPING
SEMU PERMIAN	40	300250782100	20S	37E	19	I	Y	453GRBG	P&A
SEMU EUMONT	41	300250608300	20S	37E	13	p	N	453YSRQ	P&A
SEMU EUMONT	42	300250608900	20S	37E	13	N	Y	453YSRQ	PUMPING
SEMU PERMIAN	43	300250608500	20S	37E	13	L	Y	453GRBG	PUMPING
SEMU PERMIAN	44	300250608500	20S	37E	13	M	Y	453GRBG	P&A
SEMU PERMIAN	45	300250608800	20S	37E	13	O	Y	453GRBG	P&A
SEMU EUMONT	46	300250609700	20S	37E	14	I	Y	453YSRQ	P&A
SEMU PERMIAN	47	300250609800	20S	37E	14	P	Y	453GRBG	P&A
SEMU PERMIAN	48	300250609900	20S	37E	14	H	Y	453GRBG	P&A
SEMU PERMIAN	49	3002507828	20S	38E	20	E	N	453GRBG	P&A
SEMU MCKEE	50	300250783200	20S	38E	20	L	N	452BLBR	PUMPING
SEMU MCKEE	50	300250783200	20S	38E	20	L	N	452TUBB	PUMPING
SEMU MCKEE	51	300250782400	20S	38E	19	H	N	452TUBB	PUMPING
SEMU EUMONT	52	3002506258	20S	37E	25	F	Y	453YSRQ	P&A
SEMU MCKEE	53	300250783300	20S	38E	20	E	Y	202MCKE	P&A
SEMU EUMONT	54	300250625900	20S	37E	25	K	Y	453YSRQ	P&A
SEMU EUMONT	55	300250626000	20S	37E	25	J	Y	453YSRQ	P&A
SEMU EUMONT	56	3002512582	20S	37E	25	I	Y	453YSRQ	P&A
SEMU MCKEE	57	300250782500	20S	37E	19	I	Y	202MCKE	P&A
SEMU ABO	58	300250784800	20S	38E	29	C	N	452ABO	P&A
SEMU MCKEE	59	300250783400	20S	38E	20	M	Y	452BLBR	PUMPING
SEMU MCKEE	59	300250783400	20S	38E	20	M	N	452TUBB	PUMPING
SEMU MCKEE	60	300250785700	20S	38E	20	E	N	452DRKD	PUMPING
SEMU BRITT	61	300250611400	20S	37E	15	P	N	452BLBR	P&A
SEMU MCKEE	62	300250783500	20S	38E	20	K	N	453YSRQ	P&A

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SEMU MCKEE	63	300250782600	20S	38E	19	G	Y	453YSRQ	P&A
SEMU EUMONT	64	300250626700	20S	37E	26	G	Y	453YSRQ	P&A
SEMU EUMONT	65	300250626800	20S	37E	26	L	Y	453YSRQ	P&A
SEMU EUMONT	66	300250609600	20S	37E	14	L	Y	453YSRQ	P&A
SEMU EUMONT	67	300250624800	20S	37E	24	K	Y	453GRBG	PUMPING
SEMU EUMONT	68	300250623900	20S	37E	23	J	Y	453YSRQ	PUMPING
SEMU EUMONT	69	300250625500	20S	37E	24	F	Y	453YSRQ	P&A
SEMU TUBB	70	300250611500	20S	35E	15	I	N	452DRKD	PUMPING
SEMU TUBB	70	300250611500	20S	35E	15	I	N	452TUBB	PUMPING
SEMU BURGER B	71	300250779700	20S	38E	18	O	Y	452DRKD	P&A
SEMU ABO	72	300251276000	20S	38E	19	B	N	452ABO	P&A
SEMU PERMIAN	73	300250782200	20S	38E	19	B	Y	453GRBG	PUMPING
SEMU PERMIAN	74	300250780100	20S	38E	18	N	Y	453GRBG	PUMPING
SEMU PERMIAN	75	300250780000	20S	38E	18	O	Y	453GRBG	PUMPING
SEMU PERMIAN	76	300250779900	20S	38E	18	M	Y	453GRBG	ACTIVE SERV
SEMU PERMIAN	77	300250779800	20S	38E	18	L	Y	453GRBG	PUMPING
SEMU PERMIAN	78	300250608600	20S	37E	13	I	Y	453GRBG	ACTIVE SERV
SEMU PERMIAN	79	300250608200	20S	37E	13	G	Y	453GRBG	P&A
SEMU PERMIAN	80	300250608700	20S	37E	13	J	Y	453GRBG	PUMPING
SEMU BURGER	81	300252050000	20S	38E	19	P	Y	453YSRQ	PUMPING
SEMU BLINEBRY	82	300250626100	20S	37E	25	I	Y	452DRKD	INACTIVE
SEMU TUBB	83	300252065300	20S	37E	13	G	N	452TU8B	P&A
SEMU EUMONT	84	300252065400	20S	37E	22	A	Y	453YSRQ	PUMPING
SEMU TUBB	85	300252065500	20S	37E	15	H	Y	452TUBB	P&A
SEMU BLINEBRY	86	300252065600	20S	37E	14	D	N	452BLBR	PUMPING
SEMU SKAGGS B	87	300252123200	20S	37E	14	M	N	452BLBR	PUMPING
SEMU TUBB	88	300252186000	20S	37E	14	F	Y	452BLBR	PUMPING
SEMU TUBB	88	300252186000	20S	37E	14	F	Y	452TUBB	PUMPING
SEMU PERMIAN	89	300252191800	20S	37E	13	P	Y	453GRBG	PUMPING
SEMU EUMONT	90	300252283700	20S	37E	22	P	Y	453YSRQ	P&A
SEMU EUMONT	91	300252474300	20S	37E	26	C	Y	453YSRQ	PUMPING
SEMU EUMONT	92	300252475900	20S	37E	14	C	Y	453YSRQ	P&A
SEMU EUMONT	93	300252476000	20S	37E	23	B	Y	453YSRQ	P&A
SEMU EUMONT	94	300252476500	20S	37E	23	E	Y	453YSRQ	P&A
SEMU SWD	95	300252491800	20S	37E	23	J	N	453SADR	ACTIVE SERV
SEMU TUBB	96	300252510000	20S	37E	23	I	Y	452DRKD	P&A
SEMU TUBB	96	300252510000	20S	37E	23	I	Y	452TUBB	P&A
SEMU SKAGGS B	97	300252541900	20S	37E	23	K	Y	452DRKD	PUMPING

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SEMU SKAGGS B	97	300252541900	20S	37E	23	K	N	452TUBB	PUMPING
SEMU EUMONT	98	300252565600	20S	37E	14	G	Y	453YSRQ	P&A
SEMU BLINEBRY	99	300252603200	20S	38E	29	F	Y	453SADR	P&A
SEMU TUBB A	100	300252618200	20S	38E	20	N	Y	452BLBR	PUMPING
SEMU TUBB A	100	300252618200	20S	38E	20	N	Y	452TUBB	PUMPING
SEMU BLINEBRY	101	300252618300	20S	38E	29	D	Y	453YSRQ	P&A
SEMU BLINEBRY	103	300252627700	20S	38E	29	E	Y	452BLBR	PUMPING
SEMU TUBB A	104	300252626800	20S	38E	20	K	Y	452BLBR	PUMPING
SEMU TUBB A	104	300252626800	20S	38E	20	K	Y	452TUBB	PUMPING
SEMU TUBB A	104	300252626800	20S	38E	20	K	N	452DRKD	PUMPING
SEMU PERMIAN	107	300252633400	20S	38E	19	J	Y	453GRBG	PUMPING
SEMU BURGER B	108	300252626900	20S	38E	20	L	N	453GRBG	PUMPING
SEMU EUMONT	109	300252674500	20S	37E	14	N	Y	453YSRQ	PUMPING
SEMU EUMONT	110	300252674600	20S	37E	23	K	Y	453YSRQ	PUMPING
SEMU EUMONT	111	300252671500	20S	37E	26	K	Y	453YSRQ	PUMPING
SEMU EUMONT	112	300252663300	20S	37E	25	D	Y	453YSRQ	P&A
SEMU TUBB A	113	300252709000	20S	38E	20	E	N	452BLBR	PUMPING
SEMU TUBB A	113	300252709000	20S	38E	20	E	Y	452TUBB	PUMPING
SEMU	114	300252676700	20S	38E	29	C	N	404STRN	P&A
SEMU	115	300252664100	20S	37E	23	L	N	452BLBR	PUMPING
SEMU	115	300252664100	20S	37E	23	L	N	452TUBB	PUMPING
SEMU EUMONT	116	300252667200	20S	37E	24	D	Y	453YSRQ	PUMPING
SEMU EUMONT	117	300252671400	20S	37E	24	L	Y	453YSRQ	PUMPING
SEMU EUMONT	118	300252679700	20S	37E	27	H	Y	453YSRQ	P&A
SEMU SKAGGS B	120	300252728900	20S	37E	14	B	N	452BLBR	PUMPING
SEMU BURGER B	121	300252908900	20S	38E	18	N	N	453YSRQ	P&A
SEMU TUBB	122	300253042900	20S	37E	23	D	Y	452TUBB	PUMPING
SEMU SKAGGS B	123	300253117800	20S	37E	22	H	N	452BLBR	PUMPING
SEMU BURGER B	125	300253412600	20S	38E	18	M	Y	452TBDK	PUMPING
SEMU BURGER B	126	300253412700	20S	38E	19	M	Y	452TBDK	PUMPING
SEMU PERMIAN	127	300253389500	20S	37E	25	B	Y	453GRBG	PUMPING
SEMU PERMIAN	128	300253431300	20S	37E	24	I	Y	453GRBG	P&A
SEMU PERMIAN	128	300253431300	20S	37E	24	I	Y	452TBDK	P&A
SEMU DRINKARD WEIR	133	300253437700	20S	37E	14	O	N	452DRKD	P&A
SEMU	134	300253438200	20S	38E	30	L	Y	404STRN	PUMPING
SEMU	134	300253438200	20S	38E	30	L	Y	452TBDK	PUMPING
SEMU	135	300253466600	20S	37E	25	J	Y	404STRN	P&A
SEMU	136	300253466700	20S	37E	25	L	Y	453GRBG	PUMPING

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SEMU	139	300253504300	20S	37E	25	A	Y	404STRN	PUMPING
SEMU BURGER	141	300253492100	20S	38E	19	D	Y	453YSRQ	PUMPING
SEMU	145	300253497600	20S	37E	25	E	Y	452TBDK	PUMPING
SEMU	146	300253497700	20S	37E	25	F	N	453GRBG	PUMPING
SEMU	147	300253497800	20S	37E	26	I	Y	452TBDK	P&A
SEMU	149	300253516900	20S	38E	30	E	Y	404STRN	PUMPING
SEMU	150	300253511500	20S	38E	30	K	Y	452TBDK	PUMPING
SEMU	151	300253533800	20S	37E	25	I	Y	453GRBG	PUMPING
SEMU	152	300253544300	20S	38E	19	G	Y	453GRBG	PUMPING
SEMU BURGER	153	300253543400	20S	38E	19	M		453YSRQ	PUMPING
SEMU	154	300253538300	20S	38E	30	J	N	452TBDK	P&A
SEMU	156	300253553700	20S	37E	25	C	Y	453GRBG	PUMPING
SEMU	157	300253553800	20S	38E	30	A	Y	452TBDK	PUMPING
SEMU	158	300253553900	20S	37E	24	M	Y	453GRBG	PUMPING
SEMU	159	300253555900	20S	38E	30	I	N	453YSRQ	P&A
SEMU	160	300253558300	20S	37E	14	K	Y	409PSLV	PUMPING
SEMU	161	300253582300	20S	37E	24	D	N	452TBDK	PUMPING
SEMU	162	300253577400	20S	37E	23	C	N	452DRKD	PUMPING
SEMU	162	300253577400	20S	37E	23	C	N	452TUBB	PUMPING
SEMU	165	300253583500	20S	37E	14	C	M	452DRKD	PUMPING
SEMU	167	300253593800	20S	37E	25	G	Y	404STRN	PUMPING
SEMU	171	300253592700	20S	37E	27	P	Y	453YSRQ	P&A
SEMU	174	300253810500	20S	37E	14	E	N	452BLBR	PUMPING
SEMU	174	300253810500	20S	37E	14	E	N	452DRKD	PUMPING
SEMU	174	300253810500	20S	37E	14	E	Y	452TUBB	PUMPING
SEMU	175	300253918700	20S	37E	23	H	N	452BLBR	PUMPING
SEMU	175	300253918700	20S	37E	23	H	N	452TUBB	PUMPING
SEMU	176	300253850200	20S	37E	23	M	N	452BLBR	P&A
SEMU	176	300253850200	20S	37E	23	M	N	452TUBB	P&A
SEMU	179	300253918800	20S	37E	23	N	N	452BLBR	PUMPING
SEMU	179	300253918800	20S	37E	23	N	N	452TUBB	PUMPING
SEMU	180	300253918900	20S	37E	13	L	N	452BLBR	PUMPING
SEMU	180	300253918900	20S	37E	13	L	N	452TUBB	PUMPING
SEMU	180	300253918900	20S	37E	13	L	N	452DRKD	PUMPING
SEMU	243	300254201500	20S	38E	19	O	Y	453GRBG	ACTIVE SERV
SEMU	244	300254201600	20S	38E	19	O	Y	453GRBG	PUMPING
SEMU	245	300254201700	20S	38E	19	J	Y	453GRBG	PUMPING
SEMU	246	300254201800	20S	38E	19	J	Y	453GRBG	ACTIVE SERV

SEMU	247	300254201900	20S	37E	24	H	Y	453GRBG	ACTIVE SERV
SEMU	249	300254202000	20S	38E	19	E	Y	453GRBG	PUMPING
SEMU	250	300254202100	20S	38E	19	F	Y	453GRBG	ACTIVE SERV
SEMU	251	300254202200	20S	38E	19	B	Y	453GRBG	PUMPING
SEMU	253	300254202300	20S	38E	19	D	Y	453GRBG	PUMPING
SEMU	266	300254202400	20S	38E	19	I	Y	453GRBG	PUMPING

Production Graphs:

See Attachments

Map of structural and geologic interpretations:

See Attachments

Map of Participating area boundaries:

See Attachments

Map of Wells, flow-lines, and roads:

See Attachments

SEMU is comprised of seven distinct participating areas, as set forth in the table below. A map of each participating area, along with a reservoir performance graph for each participating area is attached hereto.

UNIT	PA EXP	EFF DATE	BLM REFERENCE	MMS REFERENCE
SEMU	Consolidated Blinebry-Tubb-Drinkard PA A	11/01/2012	NMNM-071041M	AFS-8910003210
SEMU	Consolidated Blinebry-Tubb-Drinkard PA B	11/01/2012	NMNM-071041N	AFS-892000321P
SEMU	Eumont 7th PA Expansion	1/19/1998	NMNM-071041E	AFS-892000321A
SEMU	Strawn 1st PA Expansion	1/22/2001	NMNM-071041K	AFS-892000321L
SEMU	Grayburg-San Andres 18th PA Expansion	1/1/1960	NMNM-071041A	AFS-892000321E
SEMU	Pennsylvanian 2nd PA Expansion	11/1/2001	NMNM-071041B	AFS-892000321B
SEMU	Simpson-McKee 4th PA Expansion	1/1/1960	NMNM-07104D	AFS-892000321C

The working interest owners have been provided a copy of this 2016 Plan of Development. ConocoPhillips Company and the working interest owners believe that all current SEMU obligations have been satisfied.

In accordance with Article 5 of the Southeast Monument (SEMU) Unit Agreement, please signify your approval of the 2016 Plan of Development by executing in the signature block below. Please return one approved copy to the undersigned.

Should you have any questions or comments in this regard, please contact me at 281-206-5165.

Bureau of Land Management

Date

New Mexico Oil Conservation Division

Date

The foregoing approvals are for the 2016 Plan of Development for the Southeast Monument (SEMU) Unit, I SEC- No. 321, Lea County, New Mexico.

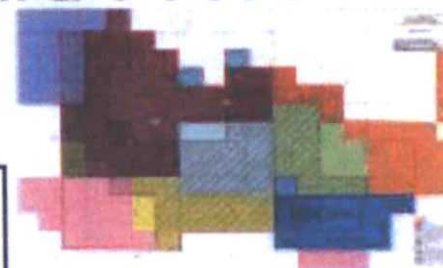
Cc: Chevron North America Exploration and Production
Attn: Land Dept.
11111 S. Wilcrest, Room N-1111
Houston, Texas 77099

XTO Energy
Attention: Steve Cobb
810 Houston Street
Fort Worth, TX 76102

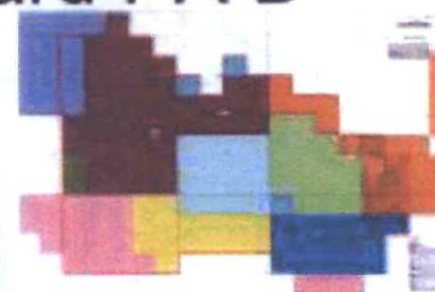
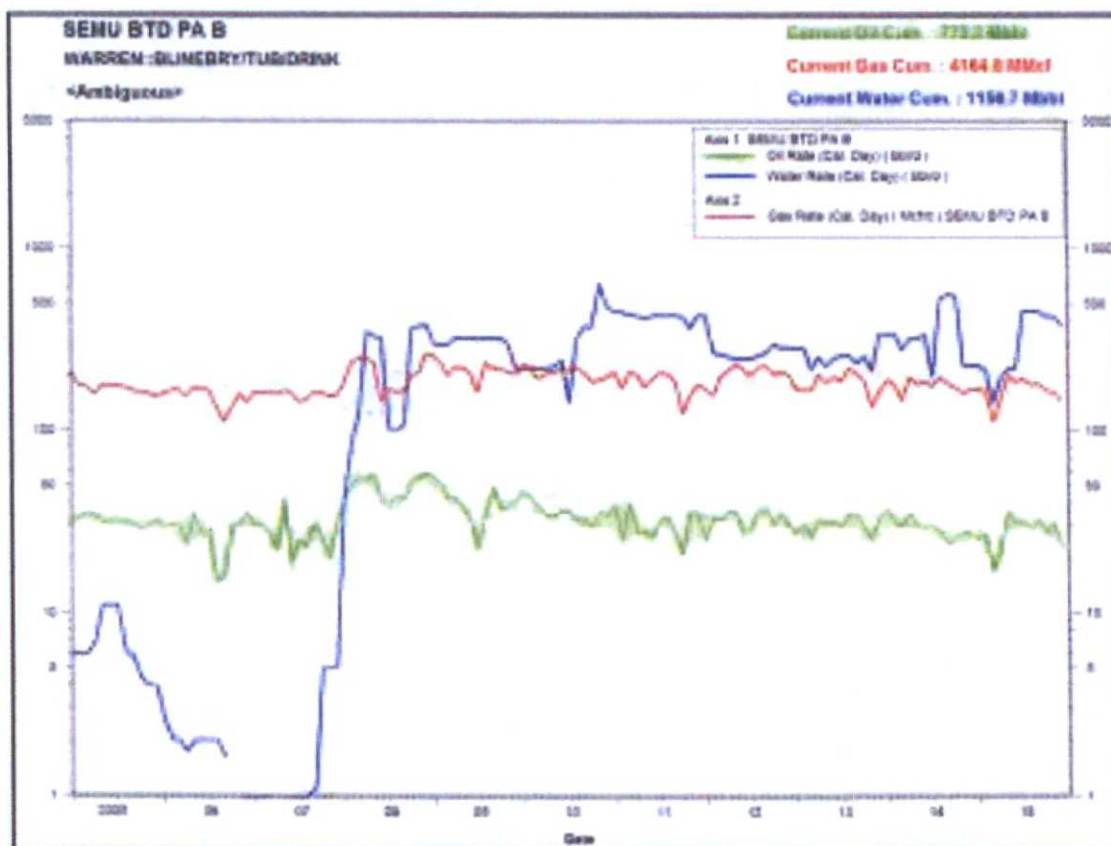
Apache Corporation
Attn: Michelle Hanson
303 Veterans Airpark Land
Suite 3000
Midland, TX

Penroc Oil Corporation
1515 Calle Sur
Hobbs, NM 88240

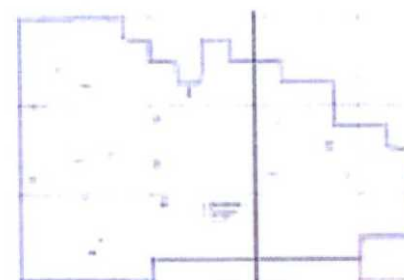
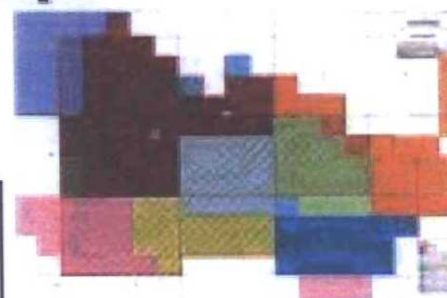
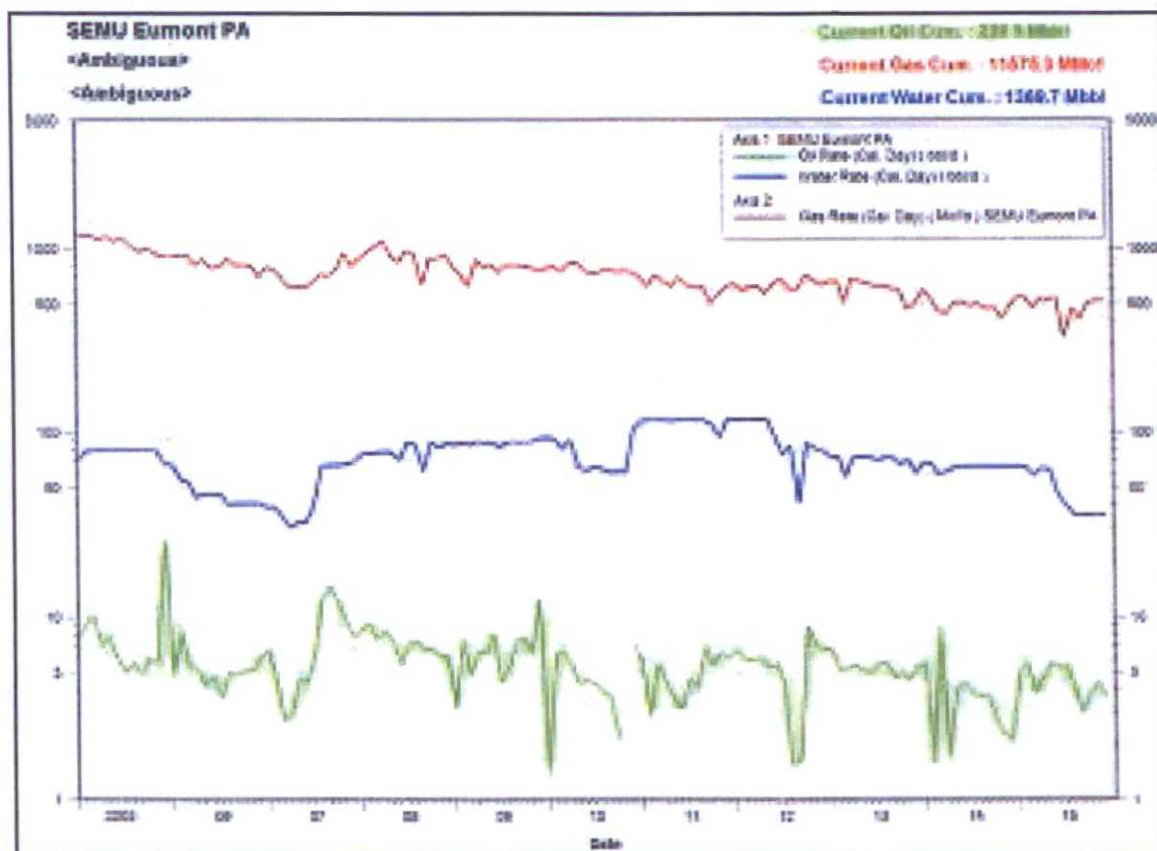
SEMU Blinebry-Tubb-Drinkard PA A



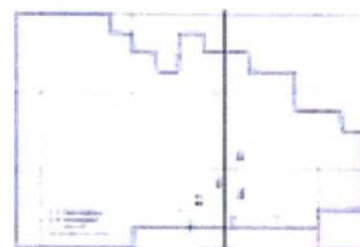
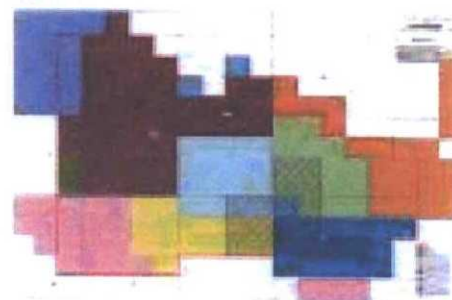
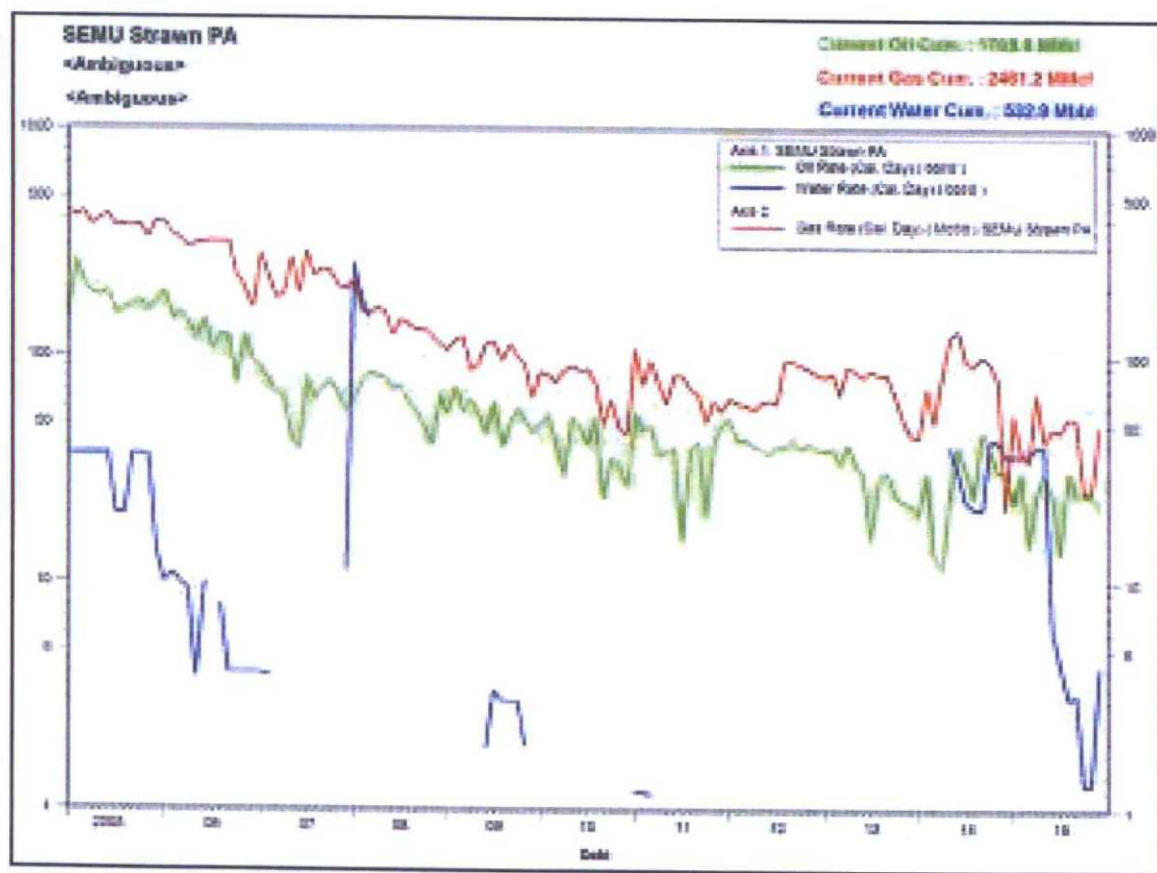
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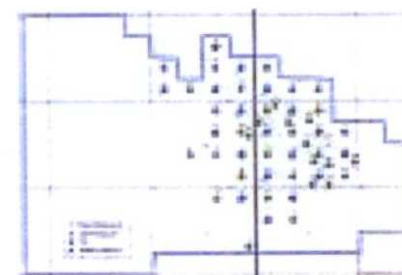
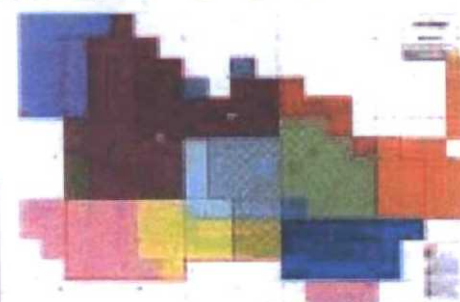
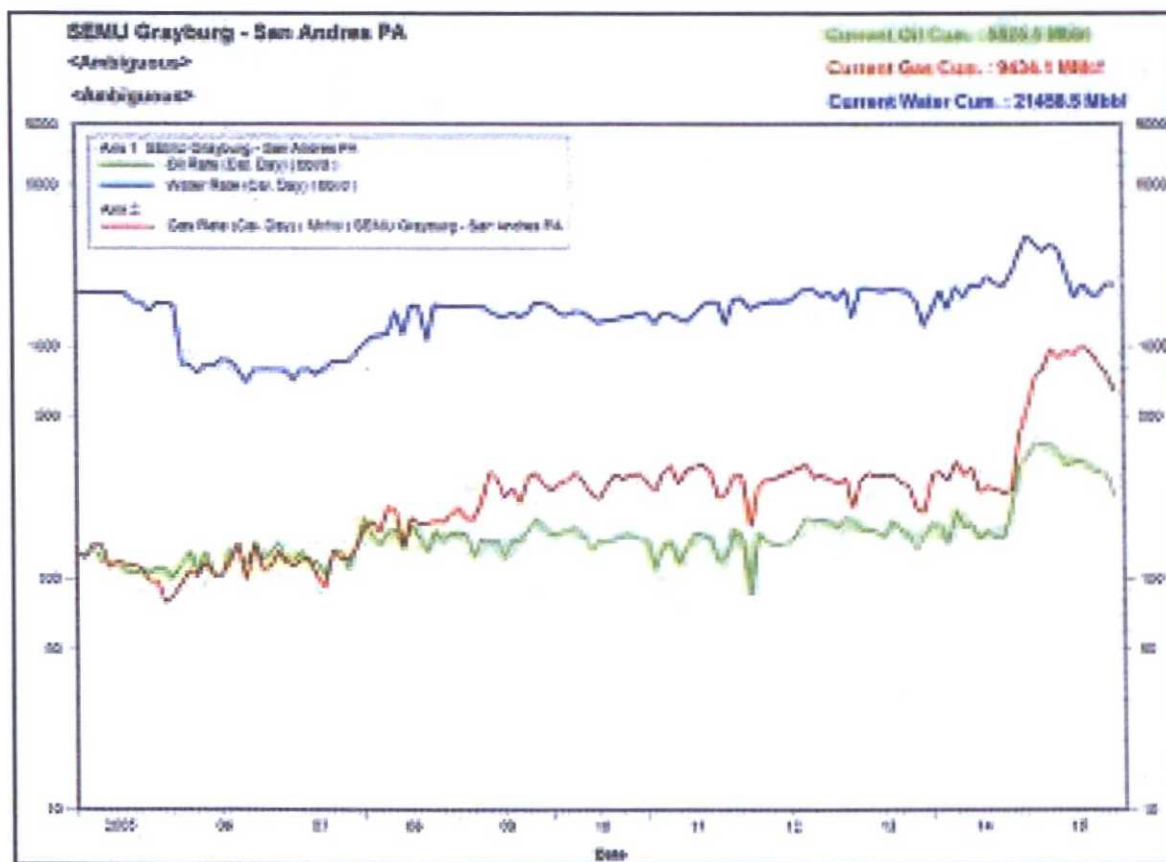
SEMU Eumont PA



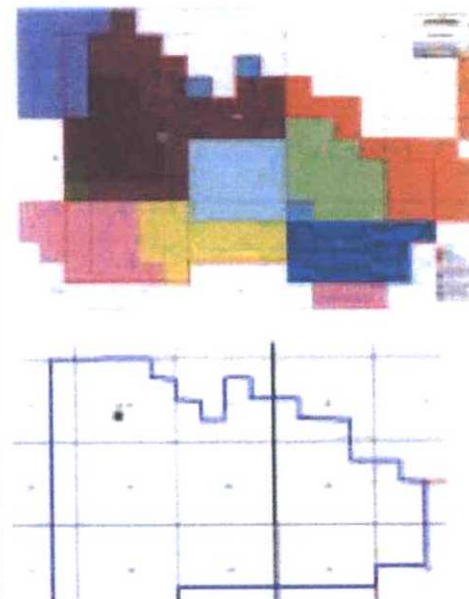
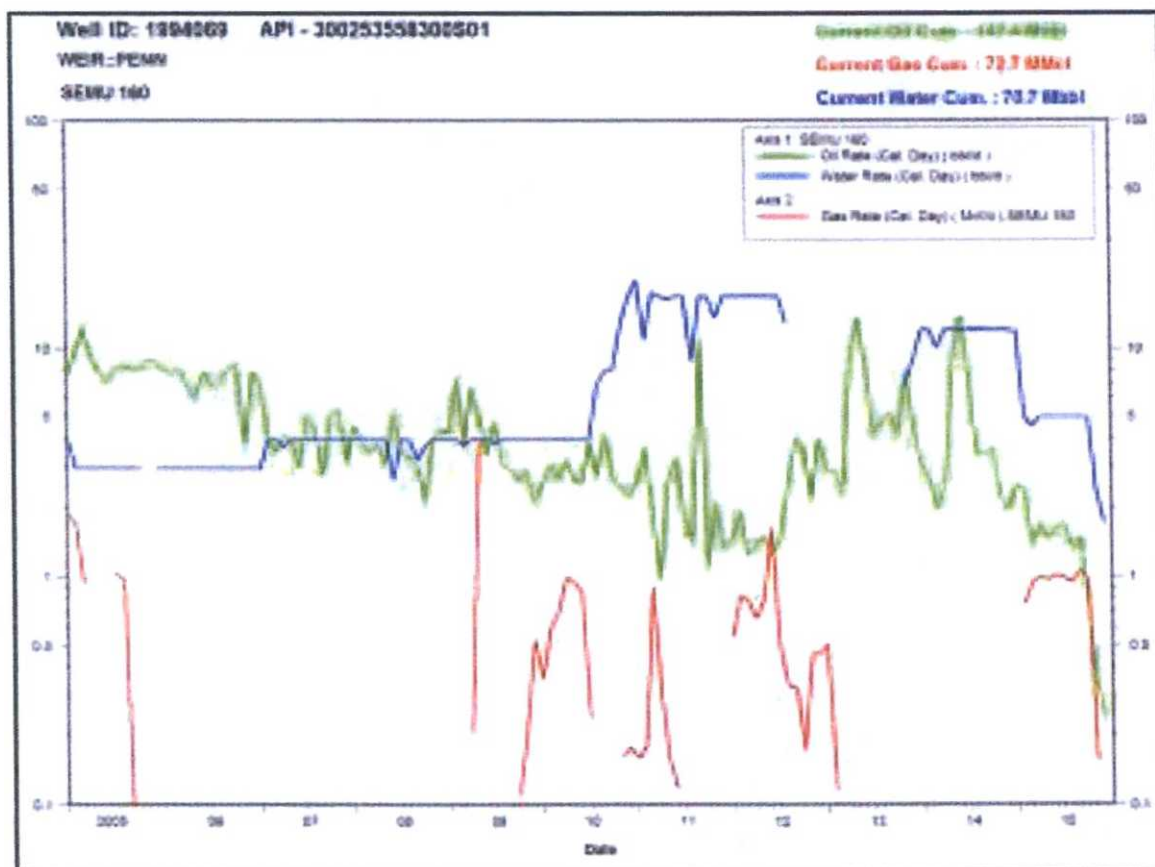
SEMU Strawn PA



SEMU Grayburg-San Andres PA



SEMU Pennsylvanian PA



Top Blinbry Structure Map

