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POOL Burton Flat - Morrow Gas COUNTY Eddy TOWNSHIP 20 South RANGE 27 East MYPM 6 5 8 10 18 17 -16 19 20 -21-24. 22 30 29 28 31 32 33 Ext: All Secs 24 \$ 36, \$1/2 Sec 25 (R-5534, 10-1-77) Ext: 1/2 Sec 13, All Sec 23, N/2 Sec 26 (R-5667, 4-1-78) Ext: E/2 Sec 14 (R-5781, 9-1-78) Ext: 5/2 Sec. 12, N/2 Sec. 13 (R-6033, 7-1-79) Ext. 5/2 Sec. 35 (R-6576, 2-10-81) Ext: W/2 see 25, 3/2 sec 26 (R-6890, 1-2-82) Ext: 2 Sec. 35(R-6838, 1+8-81)

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COUNTY Eddy	FOOL Burton	Flat - Morto	w Gas
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Ext: E/2 Sec II, All Sec Ext: All Sec 15 \$ 28 Ext: All Sec 16, 18, 1 Ext: All Sec 16, 18, 1 Ext: Sh. Sec. 19, (R-64 EXT: 5/2 sec 8 (R-7 Ext: All Secs. 24 + 6 Ext: N/2 Sec. 8 (R-950 Ext: E/2 Sec. 35 (R-11895,	(R-4969, 4-1-75) Ex 19, 21, 29, 30, 31 & 32, <sup>2</sup> 199, 1(-1-80)- <sup>N</sup> /2 Sec 2 2009, 6-19-82) 1004, 6-19-82) 1004, 26 (R-7322, 145, 7-1-91) Ext: <sup>6</sup> /2 Sec.31	et: W/2 Sec 11 (R-50 8/2 Sec 20, W/2 Sec 33 0 . Ext: W/2 sec 17 ( 8-1-83) FXT w/2 sec	( <u>R-5534</u> , 10-1-77) <u>R-6890</u> , 1-2-82)



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COUNTY Eddy

POOL Burton Flat - Morrow Gas

## TOWNSHIP 21 South RANGE 26 East NMPM 5 3 6 Δ 11 10 -7 8. 9 12 -18 -17 -16 -15 -18 20 -21-22-24-19. 27. 26 29 28 30 31-32 -33 -34-35

 $\frac{E_{xt:} \frac{N_{2}}{2} \operatorname{Sec} 12 \left( \frac{R-4915}{12-1-74} \right)}{E_{xt:} \frac{L_{ots} 1}{16} \frac{16}{16} \frac$ 



COUNTY Eddy POOL Burton Flat - Morrow Gas TOWNSHIP 21 South RANGE 27 East NMPM 6 5 11 10 16 17 15 20 21 22 24 30 29 28 27 26 25 36 Description: Lots 9thrul6 Sec. 3 (R-4486, 3-1-73) Ext: Lots 1 thru8 Sec. 2: Lots 1 thu 8 5 - Sec. 3 18-4540. 6-1-73) Ext: 1/2 Sec8, 1/2 Sec9, All Sec 10 (R-4707 1-18-74) Ext: Lots 1, 2, 7, 8, 9, 10, 15416 Sec 4 (R-4734, 3-1-74) Ext: All Sec.7, All Sec.11 (R-4782, 6-1-74) Ext: All Secb (R-4850, 9-10-74) Ext: 5/2 Sec 9, 1/2 Sec 14 (R-4861, 11-1-74) Ext: W/2 Sec12 (R-4937, 2-1-75) Ext: 1/2 Sec 18 (R-5015, 6-1-75) Ext: \$2 Sec. 4, \$12 Sec 18 (R-5063, 7-1-75) Ext: Lots 11, 12, 13, 14 \$ 5 1/4 Sec 2. All Sec 15, 16, 21, 22 \$ 28,-- N/2 Sec 33 (R-5162, 3-1-76) Ext: 1/2 Sec 34 (R-5361, 3-1-77) Ext: Lots 3, 4, 5, 6, 11, 12, 13 \$ 14 Sec 4, All Sec 5, 17, 20 \$ 30 -- 5/2 Sec 8, W/2 Sec 29, 1/2 Sec 31, 1/2 Sec 32 (R-5534, 10-1-77) Et: Et sec. 29, E/2 sec. 32 (R-6758, 8-26-81) Ext: 5/2 sec. 14, 4/2 sec. 23 (R-6890, 1-2-82)



Delete All Sec. 1 (R-7958, 6-12-85) Ext: All Sec. 19 (R-7958, 6-12-85) Ext: 5/2 Sec. 33 (R-9545,7-1-91) Ext: 5/2 Sec. 34 (R-9709, 8-25-92) Ex1: E/2 Stc. 12(R-12083, 1-14-04) Ext: E/2 Sec. 28(R-12126, 3-30-04) Ex7: 5/2 Sec. 1(R-12208, 9-8-04)

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POOL Alacran Hills - Atoka Gas COUNTY Eddy NMPM TOWNSHIP 21 South RANGE 27 East 3 2 5 4 11-- 10 -12 -7 -8 -9-14-15 -13. -18--17 --16 -21-23-- 20 -22--19-24-29. 28. 27-26-25. 30 --33--35-36-- 31-- 32 --34-Description: Lots 9, 10, 15, 16 \$ 55/4 Sec 6 (R-5667, 4-1-78) Ext: Lots 11, 12, 13, 14, 17 and 18 and Units Kand N (R-12288, 2-23-05)

## BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

## CASE NO. 6178 Order No. R-5667

THE APPLICATION OF THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION FOR AN ORDER CREATING, ASSIGNING DISCOVERY ALLOWABLE, AND EXTENDING VERTICAL AND HORIZONTAL LIMITS OF CERTAIN POOLS IN CHAVES, EDDY, LEA, AND ROOSEVELT COUNTIES, NEW MEXICO.

#### ORDER OF THE COMMISSION

### BY THE COMMISSION:

This cause came on for hearing at 9:00 a.m. on March 8, 1978, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 14th day of March, 1978, 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,

#### FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Atoka formation, said pool to bear the designation of Alacran Hills-Atoka Gas Pool. Said Alacran Hills-Atoka Gas Pool was discovered by the Read & Stevens, Inc. W R State Com Well No. 1 located in Unit X of Section 6, Township 21 South, Range 27 East, NMPM. It was completed in the Atoka formation on June 6, 1977. The top of the perforations is at 10,382 feet.

(3) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Atoka formation, said pool to bear the designation of West Malaga-Atoka Gas Pool. Said West Malaga-Atoka Gas Pool was discovered by the HNG Oil Company Valdez 5 Com Well -2-Case No. 6178 Order No. R-5667

No. 1 located in Unit H of Section 5, Township 24 South, Range 28 East, NMPM. It was completed in the Atoka formation on October 4, 1977. The top of the perforations is at 11,936 feet.

(4) That there is need for the creation of a new oil pool in Eddy County, New Mexico, for the production of oil from the Wolfcamp formation, said pool to bear the designation of Palmillo-Wolfcamp Pool. Further, that the discovery well for said pool, the Southland Royalty Company Palmillo State Well No. 1 located in Unit G of Section 32, Township 18 South, Range 29 East, NMPM, is entitled to and should receive a bonus discovery allowable in the amount of 43,300 barrels to be assigned over a two-year period. Said discovery well was completed in the Wolfcamp formation on December 11, 1977. The top of the perforations is at 8,660 feet.

(5) That there is need for the creation of a new oil pool in Eddy County, New Mexico for the production of oil from the San Andres formation, said pool to bear the designation of Railroad Mountain-San Andres Pool. Said Railroad Mountain-San Andres Pool was discovered by The Harlow Corporation Graves Well No. 1 located in Unit F of Section 11, Township 8 South, Range 28 East, NMPM. It was completed in the San Andres formation on April 14, 1975. The top of the perforations is at 2,577 feet.

(6) That there is need for the extension of the vertical limits of the Daugherity-San Andres Pool in Eddy County, New Mexico, to include the Grayburg formation, the redesignation of said pool as the Daugherity-Grayburg-San Andres Pool, and the extension of the horizontal limits of said pool.

(7) That there is need for the certain extensions to the Buffalo Valley Pennsylvanian Gas Pool, the Cato-San Andres Pool, the East Chisum-San Andres Pool, and the Sams Ranch-Grayburg Gas Pool, all in Chaves County, New Mexico, and the Angell Ranch-Morrow Gas Pool, the Avalon-Strawn Gas Pool, the Bass-Morrow Gas Pool, the West Bubbling Springs-Morrow Gas Pool, the Burton Flat-Morrow Gas Pool, the East Burton Flat-Morrow Gas Pool, the Cabin Lake-Strawn Pool, the South Carlsbad-Cherry Canyon Pool, the South Carlsbad-Morrow Gas Pool, the East Carlsbad-Wolfcamp Gas Pool, the Cemetery-Morrow Gas Pool, the North Dagger Draw-Upper Pennsylvanian Pool, the East Eagle Creek-Atoka-Morrow Gas Pool, the South Empire-Morrow Gas Pool, the Fordinkus-Cisco Gas Pool, the West Four Mile Draw-Morrow Gas Pool, the Kennedy Farms-Morrow Gas Pool, -3-Case No. 6178 Order No. R-5667

and the North Turkey Track-Morrow Gas Pool, all in Eddy County, New Mexico, and the South Brunson-Abo Pool, the South Corbin-Morrow Gas Pool, the Dickenson-San Andres Pool, the South Leonard-Queen Pool, the Reeves-Queen Pool, the Sanmal-Wolfcamp Pool, and the North Vacuum-Abo Pool, all in Lea County, New Mexico, and the Chaveroo-San Andres Pool and the Tomahawk-San Andres Pool, both in Roosevelt County, New Mexico.

#### IT IS THEREFORE ORDERED:

(a) That a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production, is hereby created and designated as the Alacran Hills-Atoka Gas Pool, consisting of the following described area:

## TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM Section 6: Lots 9, 10, 15, 16 and SE/4

(b) That a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production, is hereby created and designated as the West Malaga-Atoka Gas Pool, consisting of the following described area:

> TOWNSHIP 24 SOUTH, RANGE 28 EAST, NMPM Section 5: E/2

(c) That a new pool in Eddy County, New Mexico, classified as an oil pool for Wolfcamp production, is hereby created and designated as the Palmillo-Wolfcamp Pool, consisting of the following described area:

## TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM Section 32: NE/4

Further, that the discovery well for said Palmillo-Wolfcamp Pool, being Southland Royalty Company Palmillo State Well No. 1 located in Unit G of Section 32, Township 18 South, Range 29 East, NMPM, is hereby assigned a bonus discovery allowable in the amount of 43,300 barrels to be produced over a two-year period.

(d) That a new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production, is hereby created and designated as the Railroad Mountain-San Andres Pool, consisting of the following described area:

> TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM Section 11: NW/4

-4-Case No. 6178 Order No. R-5667

(e) That the Angell Ranch-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM Section 31: All

(f) That the Avalon-Strawn Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM Section 31: S/2 Section 32: S/2

(g) That the Bass-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

## TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM Section 29: W/2

(h) That the South Brunson-Abo Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 22 SOUTH, RANGE 38 EAST, NMPM Section 31: S/2

(i) That the West Bubbling Springs-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 20 SOUTH, RANGE 25 EAST, NMPM Section 25: All Section 26: E/2

(j) That the Buffalo Valley-Pennsylvanian Gas Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 15 SOUTH, RANGE 28 EAST, NMPM Section 17: N/2

(k) That the Burton Flat-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20	SOUTH,	RANGE 27	EAST,	NMPM
Section 13:	S/2	·		
Section 23:	All			
Section 26:	N/2			

-5-Case No. 6178 Order No. R-5667

(1) That the East Burton Flat-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 20 SOUTH, RANGE 28 EAST, NMPM Section 12: E/2

TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM Section 7: All

(m) That the Cabin Lake-Strawn Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 22 SOUTH, RANGE 30 EAST, NMPM Section 1: S/2 SW/4 Section 2: SE/4 SE/4

(n) That the South Carlsbad Cherry Canyon Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM Section 20: NW/4 SW/4

(o) That the South Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 22 SOUTH, RANGE 26 EAST, NMPM Section 11: All Section 12: S/2

> TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM Section 7: W/2

> TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM Section 8: E/2 Section 9: All Section 16: All

(p) That the East Carlsbad-Wolfcamp Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM Section 2: SE/4 Section 11: E/2

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(q) That the Cato-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 8 SOUTH, RANGE 31 EAST, NMPM Section 5: NW/4

(r) That the Cemetery-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 20 SOUTH, RANGE 24 EAST, NMPM Section 24: N/2

> TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM Section 6: S/2

(s) That the East Chisum-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 11 SOUTH, RANGE 28 EAST, NMPM Section 16: E/2 W/2 and SE/4

(t) That the Chaveroo-San Andres Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM Section 34: SE/4

(u) That the South Corbin-Morrow Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM Section 20: SE/4

(v) That the North Dagger Draw-Upper Pennsylvanian Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM Section 16: NW/4

(w) That the vertical limits of the Daugherity-San Andres Pool in Eddy County, New Mexico, are hereby extended to include -7-Case No. 6178 Order No. R-5667

the Grayburg formation, and said Daugherity San Andres Pool is redesignated the Daugherity-Grayburg-San Andres Pool. Also, said Daugherity-Grayburg-San Andres Pool is hereby extended to include therein:

## TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM Section 10: N/2 NE/4

(x) That the Dickenson-San Andres Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

## TOWNSHIP 10 SOUTH, RANGE 36 EAST, NMPM Section 35: S/2

(y) That the East Eagle Creek Atoka-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

### TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM Section 23: E/2

(z) That the South Empire-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP			ANGE 29	EAST,	NMPM
Section	5:	N/2	· · · · · · ·		
Section	7:	N/2	· · ·		
Section	8:	W/2			÷

(aa) That the Fordinkus-Cisco Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

	TOWNSHIP	18	SOUTH,	RANGE	24	EAST,	NMPM
÷	Section	22:	E/2			, it is the	······································
	Section .	23:	All			÷	

(bb) That the West Four Mile Draw-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 19 SOUTH, RANGE 26 EAST, NMPM Section 5: S/2



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(cc) That the Kennedy Farms-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 17 SOUTH, RANGE 26 EAST, NMPM Section 26: S/2 Section 35: N/2

(dd) That the South Leonard-Queen Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM Section 13: SW/4

(ee) That the Reeves-Queen Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM Section 22: SW/4

(ff) That the Sams Ranch-Grayburg Gas Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP			RANGE	28	EAST,	NMPM
Section	8:	NE/4				
Section	9:	NW/4		1.1		
Section 1	L5:	SW/4	· · ·		÷	

(gg) That the Sanmal-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM Section 33: NW/4

(hh) That the Tomahawk-San Andres Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described is hereby extended to include therein:

> TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM Section 31: NW/4

(ii) That the North Turkey Track-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described is hereby extended to include therein:

> TOWNSHIP 18 SOUTH, RANGE 28 EAST, NMPM Section 25: E/2

-9-Case No. 6178 Order No. R-5667

TOWNSHIP			RANGE	29	EAST,	NMPM
Section	30:	s/2	,			
Section	32:	s/2				

(jj) That the North Vacuum-Abo Pool in Lea County, New Mexico, as heretofore classified, defined, and described is hereby extended to include therein:

### TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM Section 30: NE/4

#### IT IS FURTHER ORDERED:

(1) That, pursuant to Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, any well which, by virtue of any of the above pool extensions, is subject to pool rules providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-102 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Commission. Pending such compliance, the well shall receive a maximum allowable in the same proportion to a standard allowable for the pool that the acreage dedicated to the well bears to a standard unit for the pool. Failure to file Form C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Commission within said 60-day period shall subject the well to cancellation of allowable.

(2) That the effective date of this order and all creations, discovery allowable assignment, and extensions included herein shall be April 1, 1978.

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

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

PHIL R. LUCERO, Chairman/ Ellun C Um BMERY C ARNOLD, Nember 31.CM JOE D. RAMEY, Member & Secretary

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dr/

## BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 4914 Order No. R-4486

THE APPLICATION OF THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION FOR AN ORDER CREATING AND EXTENDING CERTAIN POOLS IN EDDY, LEA AND ROOSEVELT COUNTIES, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9:00 a.m. on February 28, 1973, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 2nd day of March, 1973, 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,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of Burton Flat-Morrow Gas Pool. Said Burton Flat-Morrow Gas Pool was discovered by the Monsanto Company, Burton Flat Deep Unit No. 1, located in Unit 0 of Section 3, Township 21 South, Range 27 East, NMPM. It was completed in the Morrow formation on November 3, 1972. The top of the perforations is at 11,303 feet.

(3) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of Lea-San Andres Pool. Said Lea-San Andres Pool was discovered by the Superior Oil Company Government "E" No. 2, located in Unit A of Section 25, Township 19 South, Range 34 East, NMPM. It was completed in the San Andres formation on November 29, 1972. The top of the perforations is at 5,855 feet. Case No. 4914 Order No. R-4486

-2-

(4) That there is need for the creation of a new oil pool in Roosevelt County, New Mexico, for the production of oil from the Pennsylvanian formation, said pool to bear the designation of South Peterson-Pennsylvanian Pool. Said South Peterson-Pennsylvanian Pool was discovered by the Phillips Petroleum Company Goldston "A" No. 2, located in Unit P of Section 36, Township 5 South, Range 32 East, NMPM. It was completed in the Pennsylvanian formation on November 18, 1972. The top of the perforations is at 7,706 feet.

(5) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation of Triple X-Delaware Pool. Said Triple X-Delaware Pool was discovered by Hondo Drilling Company Gulf "NW" State No. 1, located in Unit M of Section 6, Township 24 South, Range 33 East, NMPM. It was completed in the Delaware formation on January 2, 1973. The top of the perforations is at 5,020 feet.

(6) That there is need for certain extensions to the Anderson-Pennsylvanian Gas Pool, Boyd-Morrow Gas Pool, Fren-Seven Rivers Pool, Rock Tank Upper-Morrow Pool, and Rock Tank Lower-Morrow Pool, all in Eddy County, New Mexico; the Bell Lake-Bone Spring Pool, Blinebry Oil Pool, Cary-Montoya Pool, Maljamar-Grayburg San Andres Pool, West Sawyer-San Andres Pool, Tres Papalotes-Pennsylvanian Pool, North Vacuum-Abo Pool, North Vacuum-Morrow Gas Pool, and the Wantz-Abo Pool, all in Lea County, New Mexico; and the Vada-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico.

IT IS THEREFORE ORDERED:

(a) That a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production, is hereby created and designated as the Burton Flat-Morrow Gas Pool, consisting of the following described area:

> TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM Section 3: Lots 9 through 16

(b) That a new pool in Lea County, New Mexico, classified as an oil pool for San Andres production, is hereby created and designated as the Lea-San Andres Pool, consisting of the following described area:

> TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM Section 25: NE/4

(c) That a new pool in Roosevelt County, New Mexico, classified as an oil pool for Pennsylvanian production, is hereby created and designated as the South Peterson-Pennsylvanian Pool, consisting of the following described area:

> TOWNSHIP 5 SOUTH, RANGE 32 EAST, NMPM Section 36: SE/4

-3-Case No. 4914 Order No. R-4486

(d) That a new pool in Lea County, New Mexico, classified as an oil pool for Delaware production, is hereby created and designated as the Triple X-Delaware Pool, consisting of the following described area:

> TOWNSHIP 24 SOUTH, RANGE 33 EAST, NMPM Section 6: SW/4

(e) That the Anderson-Pennsylvanian Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM Section 7: S/2

(f) That the Bell Lake-Bone Spring Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM Section 31: SE/4

(g) That the Blinebry Oil Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 22 SOUTH, RANGE 36 EAST, NMPM Section 1: NE/4

> TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM Section 6: N/2

(h) That the Boyd-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM Section 10: N/2

(i) That the Cary-Montoya Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM Section 16: NW/4

(j) That the Fren-Seven Rivers Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM Section 14: NW/4 NW/4 Section 15: N/2 N/2



Case No. 4914 Order No. R-4486

-4-

(k) That the Maljamar Grayburg-San Andres Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 17 SOUTH, RANGE 33 EAST, NMPM Section 10: SE/4

(1) That the Rock Tank Upper-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein;

> TOWNSHIP 23 SOUTH, RANGE 24 EAST, NMPM Section 11: All Section 14: All Section 23: All

(m) That the Rock Tank Lower-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 23 SOUTH, RANGE 24 EAST, NMPM Section 14: All

(n) That the West Sawyer-San Andres Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM Section 27: NE/4

(o) That the Tres Papalotes-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 14 SOUTH, RANGE 34 EAST, NMPM Section 32: SE/4

(p) That the North Vacuum-Abo Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM Section 20: N/2

(q) That the North Vacuum-Morrow Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM Section 18: E/2

Case No. 4914 Order No. R-4486

-5-

(r) That the Vada-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM Section 34: SW/4

> TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM Section 28: NW/4

> TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM Section 1: S/2 Section 2: SE/4 Section 12: NE/4

(s) That the Wantz Abo Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM Section 16: NE/4

#### IT IS FURTHER ORDERED:

That, pursuant to Section 65-3-14.5, NMSA 1953, (1) contained in Chapter 271, Laws of 1969, any well which, by virtue of any of the above pool extensions, is subject to pool rules providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-102 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Commission. Pending such compliance, the well shall receive a maximum allowable in the same proportion to a standard allowable for the pool that the acreage dedicated to the well bears to a standard unit for the pool. Failure to file Forms C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Commission within said 60-day period shall subject the well to cancellation of allowable.

(2) That the effective date of this order and all creations and extensions included herein shall be March 1, 1973.

-6-Case No. 4914 Order No. R-4486

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

I. AL

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

I. R. TRUJILLO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

SEAL

dr/



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Mark E. Fesmire, P.E. Director Oil Conservation Division

## ADMINISTRATIVE ORDER DHC-3323

Devon Energy Production Company LP 20 N Broadway, Suite 1500 Oklahoma City, OK 73102-8260

Attention: Linda Guthrie

Kurland 6 Federal Well No. 2 API No. 30-015-33238 Lot 12, Section 6, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico Burton Flat-Morrow (Prorated Gas 73280), and Undesignated Alacran Hills-Atoka (Gas 70060) Pools

Dear Ms. Guthrie:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with Division 303C.(1)(f), the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

Assignment of allowable to the well and allocation of production from the well shall be as follows. These percentages shall be amended only with permission of the Artesia District Office and copied in writing to the Division office in Santa Fe.

Burton Flat-Morrow Prorated Gas Pool	Oil-0%	Gas-39%
Undesignated Alacran Hills-Atoka Gas Pool	Oil-100%	Gas-61%

REMARKS: The operator shall notify the Artesia District Office of the Division upon implementation of commingling operations.

Pursuant to Rule 303C(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 6<sup>th</sup> day of August 2004.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

MARK E. FESMIRE, P.E. Director

cc: Oil Conservation Division – Artesia Bureau of Land Management - Carlsbad

	DATEIN	2004	SUSPEN	je	ENGINEER	Jones		·2·04	TYPE	HC	APP NO.	042153	2024	
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Signature

Title

Date

e-mail Address

District I	State of New Mexico Form C-107A	
1025 N. French Drive, Hobbs, NM 88240	Energy, Minerals and Natural Resources Department Revised June 10, 2003	
District II 1301 W. Grand Avenue, Artesia, NM 88210	<b>Oil Conservation Division</b> APPLICATION TYPE	
District III 1000 Rio Brazon Road, Aztor, NM 87410	1220 South St. Francis Dr. <u>xx</u> Single Well Santa Fe. New Mexico 87505 Establish Pre-Approved Pools	
District IV 1220 S. St. Francis Dr., Sania Fe, NM 47503	Santa Fe, New Mexico 87505Establish Pre-Approved Pools 2004 JUL 30 PM 1 23 EXISTING WELLBORE APPLICATION FOR DOWNHOLE COMMINGLINGNo	

Devon Energy Production Co.,	LP 20 N. Broadway, Ste 1500	Oklahoma City, OK 73102-8260
Operator	Address	· · · · · · · · · · · · · · · · · · ·
Kurland 6 Federal	2 UL12-6-21S-27E	Eddy
Lease Well N	lo. Unit Letter-Section-Township-Range	County

OGRID No. 6137 Property Code 33431 API No. 30-015-33238 Lease Type: xx Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Burton Flat; Atoka East (Gas)		Burton Flat; Morrow
Pool Code	7006	o	73280
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	10,388' - 10,398'		10,974' - 11,148'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1099		996
Producing, Shut-In or New Zone	Producing		Shut-In
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production	Date: 07/15/04	Date:	Date: 06/21/04
estimates and supporting data.)	Rates: 3/591/0	Rates:	Rates: 0/555/10
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas
than current or past production, supporting data or explanation will be required.)	100 % 61 %	% %	0 % 39 %

#### ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes <u>xx</u> Yes	<u>k</u> No No
Are all produced fluids from all commingled zones compatible with each other?	Yes_xx	<u>r</u> No
Will commingling decrease the value of production?	Yes	NoXXX
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?	Yes <u>xx</u>	<u>«</u> No
NMOCD Reference Case No. applicable to this well:		

Attachments:

C-102 for each zone to be commingled showing its spacing unit and acreage dedication. Production curve for each zone for at least one year. (If not available, attach explanation.) For zones with no production history, estimated production rates and supporting data.

Data to support allocation method or formula.

Notification list of working, royalty and overriding royalty interests for uncommon interest cases. Any additional statements, data or documents required to support commingling.

#### PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools

1

List of all operators within the proposed Pre-Approved Pools Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE UNLA	Authres TIT	LE_ Regulatory Specialist	DATE	07/26/04
TYPE OR PRINT NAME	Linda Guthrie	TELEPHONE NO. (	∷405 )	228-8209

TELEPHONE NO. ( 3405 228-8209

E-MAIL ADDRESS linda.guthrie@dvn.com



State of New Mexico



Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies .

#### ' DISTRICT II P.O. Brawer DD, Artesia, NM 88211-0719 OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

1000 Rio Brazos Rd., Aztec, NM 87410 

P.O. Ber 1980, Hobbs, MM 66241-1980

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DISTRICT I

DISTRICT III

DISTRICT IV	A FR, N.M. 879	504~2088	WELL LO	CATION	AND ACREA	GE DEDICATI	ON PLAT	🗆 AMENDED	REPORT
API	Number		1	Pool Code			Pool Name		<u> </u>
30-0	015-332	38	7	3200	Bur	ton Flat; Ato	ka, East (G	as)	_
Property (		1			Property Nam	he		Well Num	ber
334:	31			KUR	LAND "6" F	EDERAL		2	
OGRID No 613			10 13 17	-	Operator Nam		T D	Elevatio 7100	_
	/	<u> </u>	DEV	ON ENE	RGY PRODU	JCTION CO.,	L.P.	3188	5
					Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12	6	21-S	27-E		3000	NORTH	610	WEST	EDD
	<b>.</b>		Bottom	Hole Lo	cation If Diffe	erent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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	ł	171	LOT 11	LOT 10	40.02 AC.	DETAIL 18.23190.	3 Title	22 2004	
	ľ	610/0	¥	1			Date	23, 2004	
		LOT 12	E_DETAIL	1	(	0,00			
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	]	10/13		LOT 15	LOT 16 31	34.3' 3179.	2' I hareby certif	y that the well locat	ion shown
			V '/	1				as plotted from field	
	F	37.36 AP.	40.25 AC.	1 40.07 - A0	. 40.00 AC.	EODETIC COORDINATE	S supervison as	made by me or nd that the same is	under my
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DISTRICT I 40. Box 1980, Hob DISTRICT II 40. Drewer DD, Au	ba. NN 88241-19		OIL		ergy, Mi		tesources Department	Submit (	For Revised Februar to Appropriate Dist State Lease - Fee Lease -	rict Offic • 4 Capi
DISTRICT III 1000 Rio Brazon DISTRICT IV						, New Mexic	o 87504–2088			
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Propert	Code			ĸ	URL	Property Nam AND "6" F	EDERAL		Well Num	ber
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6137	<u> </u>	<u>i</u>	DEVO	DN 1	ENE	·····	JCTION CO.,	L.P	3188	5
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Dedicated A	res Joint	or Infill C	onsolidation	Code	Ord	er No.		· · · · · · · · · · · · · · · · · · ·	L	<b>.</b>
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		37:49 AC.	SCALE: 1	<u> </u> " =	2000	<u>,</u>		1. 1. 1.	03.11/1172	<b>15/03</b>

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Per Cent Atoka Total-%	Per Cent Morrow	Total	Average Morrow Production		KURLAND 6 FED 2				KURLAND 6 FED 2		FED	KURLAND 6 FED 2	KURLAND 6 FED 2	KURLAND 6 FED 2		KURLAND 6 FED 2	B	6	6 FED		KURLAND 6 FED 2	KURLAND 6 FED 2	<b>KURLAND 6 FED 2</b>	KURLAND 6 FED 2				
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100 100	ວ	2,602	155 2,447	800. Atoka	1,250. Atoka 950. Atoka	840. Atoka			1,650 Atoka			3,350. Atoka				3.450 Atoka			23		150. Morrow	: <b>S</b>	150. Morrow	145. Morrow	3	Z	3	FTP Reservoir
·																		Morrow perfs isolated with tubing plug										Comments

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Devon Energy Corporation 20 North Broadway Oklahoma City, Oklahoma 73102-8260 Fax 405-552-8113

July 16, 2004

New Mexico Oil Conservation Division 1220 South Saint Francis Drive Santa Fe, New Mexico 87505

Re: Kurland 6 Fed #2 3000' FNL & 610' FWL Section 6-T21S-R27E Eddy County, New Mexico DEC #43969-020; #30-0000061

Gentlemen:

Please be advised that Devon Energy Production Company, L. P., operator of the Kurland 6 Fed #2 well located on the referenced lands, owns 100% of Federal Lease NMINM-0501759. Therefore, Devon is the only working interest owner in the well and the Atoka and Morrow formations.

If additional information is required, please advise.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

Kenbray/ah

Ken Gray Senior Land Advisor

KG:dh\nmocd.ltr

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			y Services Fiesta Drive ew Mexico 882		
> s		Telephone	e: (505) 397-37	713	
Run File	C:\STAR\DATA\05_2	1_2002\DEVKIRI	K6-2 7.04.RUN		
Method	C:\star\method_exter	nded_gas_scott.n	nth		
Operator	Rolland Perry			Analysis Date	7/15/2004
Station	Kurland 6 Fed. #2			Company	Devon Energy
Effective Date				Pulled Data	7/15/04
Received Date	7/15/04			Composite/Spot	Atoka Formation
Component	<u>Mole %</u>	BTU	GPM		
H2S				•••	
Nitrogen	1.0814	0.00	0.0000		
Methane	89.1385	902.38	0.0000		
CO2	1.2516	0.00	0.0000		
Ethane	5.3872	95.55	1.4408		
i-Butane	0.3050	9.94	0.0998		
n-Butane	0.4118	13.46	0.1298	•	
i-Pentane	0.1778	7.13	0.0651		
n-Pentane	0.1081	4.34	0.0391		
Cyclopentane	0.0592	2.23	0.0175		
2-Methylpentane	0.0425	2.02	0.0176		
3-Methylpentane	0.0352	1.67	0.0143		
n-Hexane	0.0553	2.63	0.0227		
Methylcyclopentane	0.0480	2.16	0.0169		
Benzene	0.0389	1.45	0.0109		
Cyclohexane	0.0993	4.45	0.0337		
n-Heptane	0.0252	1.39	0.0116		
Methylcyclohexane	0.0515	2.68	0.0206		
		•	7/04/0004		

7/21/2004

21 Jul 04 12:3	24 C:\STAR\DATA\05_21_2002\DEVKIRK6-27.04.RUN		<b>p.</b> 3	
Run File Method	C:\star\method_extended_gas_scott.mth			
Operator	Rolland Perry	Analysis Date	7/15/2004	
Station	Kurland 6 Fed. #2	Company	Devon Energy	
Effective Date		Pulled Data	7/15/04	
Received Date	7/15/04	Composite/Spot	Atoka Formation	

Component	Mole %	BTU	<u>GPM</u>
Toluene	0.0167	0.75	0.0056
n-Octane	0.0044	0.28	0.0023
Propane	1.6528	41.68	0.4554
Ethylbenzene	0.0026	0.13	0.0010
p&m-Xylene	0.0070	0.37	0.0027
n-Nonane	0.0002	0.01	0.0001
Totals	100.0000	1,096.73	2.4076
Relative Density from Co	mposition	0.6224	
BTUs @ 14.65 Saturated		1,080	
BTUs @ 14.65 Dry		1,099	
Compressibility		0.99762	

Sampled By: Nerv Buecker-Pro Well

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> REMARKS: 327 MCF Rate Crude Oil API Gravity @ 60 F = 44.6 Atoka Formation

> > 7/21/2004

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		401	ry Service 6 Fiesta Drive New Mexico 88			
<b>&gt;</b> s		Telephor	ne: (505) 397-3	3713	•	
Run File	C:\STAR\DATA\05_2	_2002\KURLAN	1D6#2 6.11.04.R	UN		
Method	C:\star\method_exten	ded_gas_scott.n	nth			
Operator	Vickie Biggs			Analysis Date	6/11/2004	
Station	Kurland 6 Fed. #2			Company	Devon Energy	
Effective Date				Pulled Data	6/11/04 6:45 am	
Received Date	6/11/04		•	Composite/Spot	Spot/Manifold	
Component	<u>Mole %</u>	BTU	GPM	· · · · · · · · · · · · · · · · · · ·		
H2S						
Nitrogen	2.5843	0.00	0.0000			
Methane	88.9185	900.15	0.0000			
CO2	4.0876	0.00	0.0000			
i-Butane	0.1234	4.02	0.0404			
Ethane	3.1623	56.09	0.8458			
n-Butane	0.1615	5.28	0.0509			
i-Pentane	0.0571	2.29	0.0209			
n-Pentane	0.0348	1.40	0.0126			
Cyclopentane	0.0118	0.44	0.0035			
2-Methylpentane	0.0120	0.57	0.0050			
3-Methylpentane	0.0103	0.49	0.0042			
n-Hexane	0.0163 '	0.78	0.0067			
Methylcyclopentane	0.0106	0.48	0.0038			
Benzene	0.0132	0.49	0.0037			
Cyclohexane	0.0236	1.06	0.0080			
n-Heptane	0.0101	0.56	0.0047			
Methylcyclohexane	0.0181	0.95	0.0073			
	~					

6/11/2004

Run File	C:\STAR\DATA\05_21_2002\KURLAND	6#2 6.11.04.RUN	
Method	C:\star\method_extended_gas_scott.mth	1	
Operator	Vickie Biggs	Analysis Date	6/11/2004
Station	Kurland 6 Fed. #2	Company	Devon Energy
Effective Date		Pulled Data	6/11/04 6:45 am
Received Date	6/11/04	Composite/Spot	Spot/Manifold

Component	<u>Mole %</u>	BTU	<u>GPM</u>		
Toluene	0.0032	0.15	0.0011		
n-Octane	0.0010	0.06	0.0005	. ,	
Propane	0.7383	18.62	0.2034		
Ethylbenzene	0.0007	0.04	0.0003		
p&m-Xylene	0.0012	0.06	0.0005		
Totals	100.0000	993.98	1.2231		
Relative Density from Co	omposition	0.5745		****	
BTUs @ 14.65 Saturated	l	979			
BTUs @ 14.65 Dry		996	•		
Compressibility		0.99802			



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary

December 31, 2003

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Lori Wrotenbery Director Oil Conservation Division

Devon Energy Production Company, L. P. 20 North Broadway Oklahoma City, Oklahoma 73102-8260

Attention: Ken Gray

Administrative Order NSL-4974

Telefax No. (405) 552-8113

Dear Mr. Gray:

Reference is made to the following: (i) your application (*administrative application reference* No. pMES0-335136688) that was submitted to the New Mexico Oil Conservation Division ("Division") on December 11, 2003; and (ii) the Division's records in Artesia and Santa Fe: all concerning Devon Energy Production Company, L. P.'s ("Devon") request for an unorthodox Morrow gas well location for its proposed Kurland "6" Federal Well No. 2 to be drilled 3000 feet from the North line and 610 feet from the West line (Lot 12/Unit L) of Irregular Section 6, Township 21 South, Range 27 East, NMPM, Burton Flat-Morrow Gas Pool (73280), Eddy County, New Mexico.

Lots 11 through 14 and the SW/4 of Irregular Section 12 is to be dedicated to this well in order to form a standard 308.48-acre stand-up gas spacing and proration unit for the Burton Flat-Morrow Gas Pool.

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The subject application has been duly filed under the applicable provisions of the rules governing this pool and the provisions of Division Rule 104.F, revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999.

By the authority granted me under the provisions of Division Order No. R-8170-E-1, issued in Case 9872 and dated October 28, 1991, and Division Rule 104.F (2), as revised, the above-described unorthodox gas well location within the Burton Flat-Morrow Gas Pool is hereby approved.

Sincerely,

Lori Wrotenbery

Lori Wrotenbery Director

LW/mes

cc: New Mexico Oil Conservation Division – Artesia U. S. Bureau of Land Management – Carlsbad

•	N.M. OII Cons. DIV STATES THE INTEROBEV. Grand A DMANAGEMENT Artasia. NM 88	'-Dist. 2	
Form 3260-3 UNITED	STATES ADDA WI Grand A		m approved
· (August, 1999) DEPARTMENT OI	THE INTERIOR . GIANG		AB No. 1004-0136
BUREAU OF LAN	DMANAGEMENT Artosia, NM 88	1210 Ex	pires November 30, 2000
APPLICATION FOR PERMI			ATION AND SERIAL NO.
	ENTER	NMNM-05017	
			OTTEE OR TRIBE NAME
b. TYPE OF WELL:			
2 NAME OF OPERATOR	2 ONE 2 ONE		ENT NAME
DEVON ENERGY PRODUC			E NAME, WELL NO.
3a. ADDRESS AND TELEPHONE NO.	3b. TELEPHONE (Include area code) 73102 (405) 228-7512	Kurland 6 Fee	deral #2
20 NORTH BROADWAY, SUITE 1500, OKC, OK 4. LOCATION OF WELL (Report location clearly and in acc		9.API WELL NO.	- 33374
At surface - 3300' FSL & 660' FWL		10.FIELD AND PO	
300でパル ま しゅうかい PE At top proposed prod. zone 3300 FSL & 660 FWL	r SN dated "ILIB BECEIVED	_	ast (Gas); Morrow
At top proposed prod. Zone - 3300 FSE de 000 FWE			R BLOCK AND SURVEY OR AREA
	JAN 2 8 7004	See 6 T21S R2	27È
14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR PO	ST OFFICE. OCD-ARTESIA	12. COUNTY OR P	PARISH 13. STATE
5 miles north of Carisbad		Eddy	NM
IS DISTANCE FROM PROPOSED	16 NO. OF ACRES IN LEASE	17.Spacing Unit dedicated	
LOCATION TO NEAREST	696.64	308	
PROPERTY OR LEASE LINE, FT. 660' (Also to nearest drig, unit line if any)			·
18 DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED,	19 PROPOSED DEPTH	20.BLM/BIA Bond No. or	a file
OR APPLIED FOR, ON THIS LEASE, FT. 21.ELEVATIONS (Show whether DF, RT, GR, etc.)	11,400' 22. APPROX. DATE WORK WILL START*	CO1104 23. Estimated dura	tion
3170' GR	October 2003	45 days	
		is cuys	
	24. Attachments		
<ol> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest Synahall be filed with the appropriate Forest Service Office).</li> <li>Drilling Program         Surface Use and Operating Plan             Exhibit #1 = Blowout Prevention Equipment             Exhibit #2 = Location and Elevation Plat             Exhibit #3 = Road Map and Topo Map             Exhibit #4 = Production Facilities Plat             Exhibit #5 = Rotary Rig Layout             Exhibit #6 = Casing Design             H<sub>2</sub>S Operating Plan             Archeological clearance report      </li> <li>23. Signature         Mathematical Synthesis Mathematical Synthesis     </li> </ol>	6. Such other site specific info officer. The undersigned accepts all app and restrictions concerning oper portions thereof, as described at Bond Coverage: Nationwide BLM Bond #: CO-1104 GI AT	CARLSBAD COl blicable terms, conditi rations conducted on bove PROVAL SU CNERAL RE	the leased land or:
Title	L		1/04/102
OPERATIONS TECHNICIAN			
Approved by (signature) /s/ Joe G. Lara	Name (Frinted/Typed) /s/ Joe G. Lara		Date 2 7 JAN 2004
ACTING FIELD MANAGER	Office CARLSBAD FIELD OF	FICE	• · · · · · · · · · · · · · · · · · · ·
Application approval does not warrant or certify that the appli operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001, makes it a crime for any person statements or representations as to any matter within its jurisd	knowingly and willfully to make to any department or age	APPR	OVAL FOR 1 YEAR
		· · · · · · · · · · · · · · · · · · ·	

\*(Instructions on reverse)

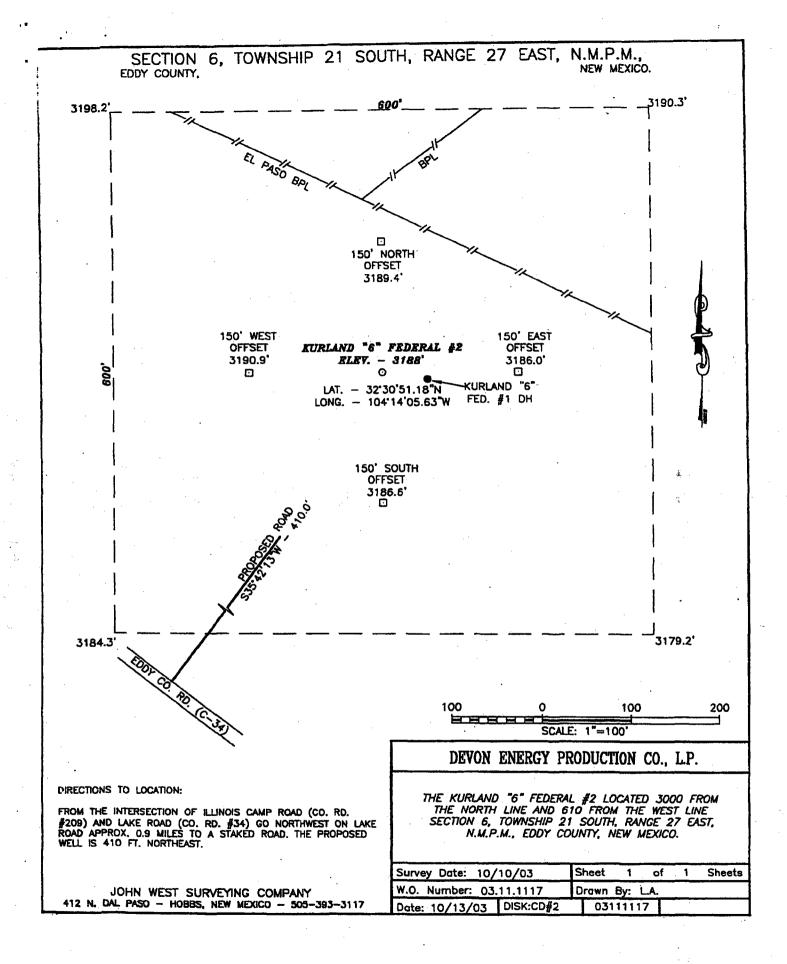
NSL - 4974

	· .		OCD-AR	IESIA	FORM	
rm 3160-5 ugust 1999) DE	UNITED STATE PARTMENT OF THE I	NTERIOR			OMB NO	APPROVED ). 1004-0135 vember 30, 2000
BU	IREAU OF LAND MANA	GEMENT			5. Lease Serial No. NMNM0501759	
Do not use this abandoned wel	s form for proposals to I. Use form 3160-3 (AF	drill or to r D) for such	e-enter an proposals.		6. If Indian, Allottee o	r Tribe Name
	PLICATE - Other instru				7. If Unit or CA/Agree	ment, Name and/or No.
I. Type of Well					8. Well Name and No. KURLAND 6 FED	ERAL 2
Oil Well S Gas Well S Oth     Devon ENERGY PRODUCT	Contact:	KAREN CO	TTOM .cottom@dvn.com		9. API Well No.	
3a. Address 20 NORTH BROADWAY SUIT	TE 1500		lo. (include area code 28.7512	)	10. Field and Pool, or BURTON FLAT	Exploratory
OKLAHOMA CITY, OK 73102 4. Location of Well (Footage, Sec., T.			)2.4021		11. County or Parish,	and State
Sec 6 T21S R27E NWSW 330					EDDY COUNTY	r, NM
12 CUECY ADD	OPRIATE BOX(ES) T		ENATIRE OF	NOTICE R	EPORT OR OTHE	
TYPE OF SUBMISSION				F ACTION		
					ion (Start/Resume)	Water Shut-Off
Notice of Intent	Alter Casing		acture Treat			U Well Integrity
Subsequent Report	Casing Repair		w Construction	Recom	olete	Other Charge to Original
Final Abandonment Notice	Change Plans	🖸 Ph	ug and Abandon		arily Abandon	Change to Original PD
	Convert to Injection	🖸 Ph	ug Back	🔲 Water I	Disposal	
If the proposal is to deepen directions Attach the Bond under which the wo following completion of the involved testing has been completed. Final Ab determined that the site is ready for fi The BOR requested that Devo to the Avalon Resevoir.	lly or recomplete borizontally k will be performed or provid operations. If the operation r andonment Notices shall be fi nal inspection.)	, give subsurfac e the Bond No. esults in a multi led only after a	e locations and measure on file with BLM/BL ple completion or rec il requirements, includ	ured and true vo A. Required su completion in a ling reclamatio	bsequent reports shall be new interval, a Form 316 n, have been completed,	ent markers and zones. filed within 30 days 0-4 shall be filed once
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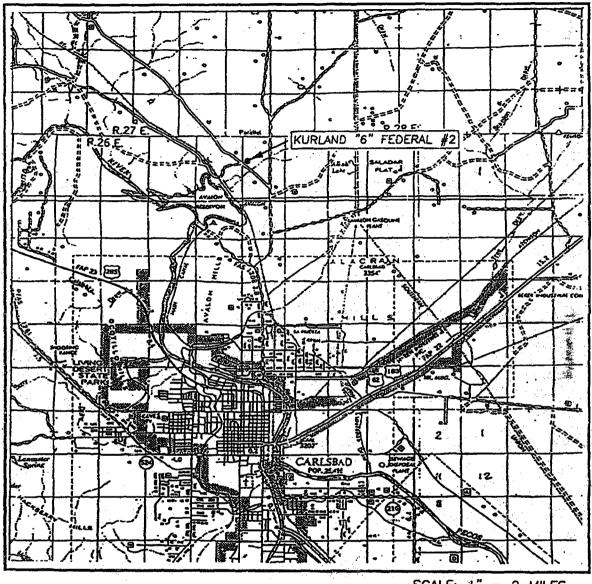
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VICINITY MAP

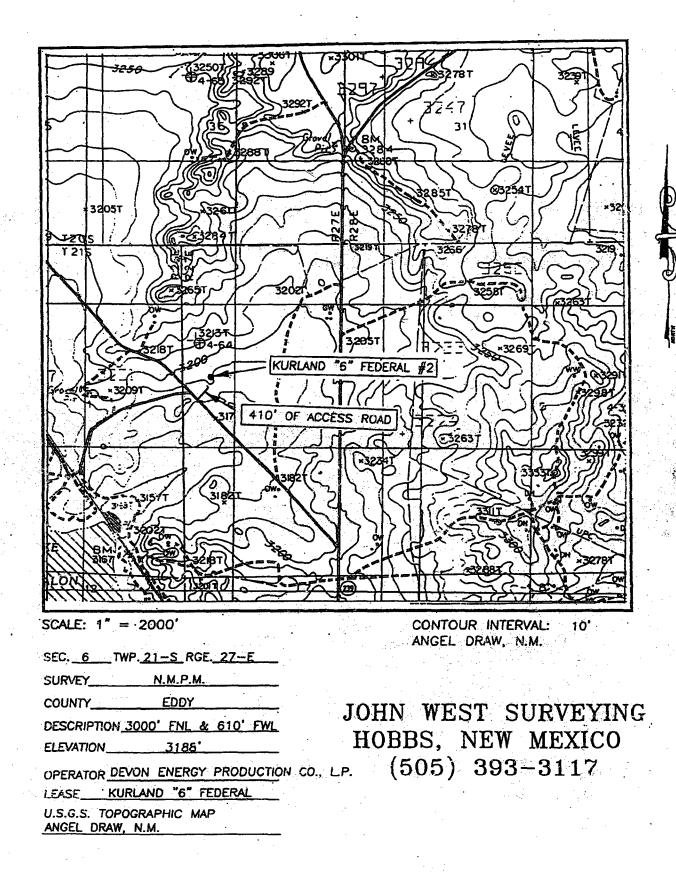


SCALE: 1'' = 2 MILES

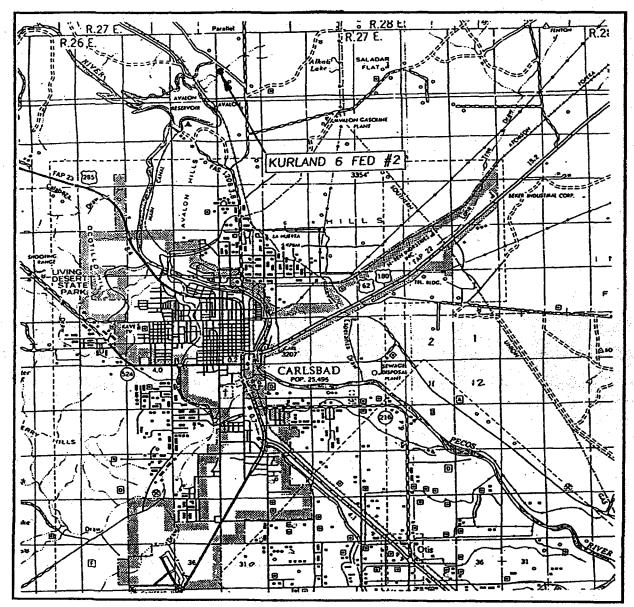
SEC. 6 TWP. 21-S RGE. 27-E SURVEY\_\_\_\_\_N.M.P.M. COUNTY\_\_\_\_EDDY\_ DESCRIPTION 3000' FSL & 610' FWL ELEVATION \_\_\_\_\_ 3188' OPERATOR DEVON ENERGY PRODUCTION CO., L.P. (505) 393-3117 LEASE\_\_KURLAND "6" FEDERAL

JOHN WEST SURVEYING HOBBS, NEW MEXICO

LOCATION VERIFICATION MAP



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. <u>6</u> TWP. <u>21-S</u> RGE. <u>27-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>3300</u> FSL <u>& 660'</u> FWL ELEVATION <u>3170'</u> OPERATOR <u>DEVON ENERGY PROD, CO.</u> L.P. LEASE <u>KURLAND 6 FEDERAL</u>

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JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

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OCD-ARTESIA         12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION         TYPE OF SUBMISSION         Subscreamed and the subscre			FFR 1 2	7004	· · · · · · · · · · · · · · · · · · ·
TYPE OF SUBMISSION       TYPE OF ACTION         g Notice of Intent       Acidize       Deepen       Production (Start/Resume)       Water Shut-Off         g Subsequent Report       Casing Repair       New Construction       Recomplete       Gong Other         g Other       Change Plans       Plug Back       Water Disposal       Other         13. Describe Proposed or Completed Operation (Clearly state all pertinent defaits, including estimated starting date of any proposed work and approximate duration thereof.       If the proposal is to depend directionally give substantiae locations and measured and true which all before of any proposed work and approximate duration thereof.         13. Describe Proposed or Complete Orgenian (Clearly state all pertinent defaits, including estimated starting date of any proposed work and approximate duration thereof.       If the proposal is to depend directionally or recomplete horizontally, give substantiae locations and measured and true which all before of any proposed work and approximate duration thereof.         13. Describe Production Company, LP respectfully requests approval to substitute the previously audited of and the operation.       New Construction is a new indemail, and the operation has dependent and the sile is ready for final inspection.         Devon Energy Production Company, LP respectfully requests approval to substitute the previously submitted carmenting plan IF DRLING CONDITIONS WARRANT with the following:       Surface esg: Lead wi400 sx Class C wi2% CaCl2: 14.8 lb/gal, 1.34 cu ft/sk, 6.34 gal/sk. Cap wi 75 sx Class C wi2% CaCl2: 14.8 lb/gal, 1.34 cu ft/sk, 6.34 gal/sk. Cap wi 75 sx Class	Sec 6 T21S R27E SWNW L	ot 12 3000FNL 610FWL	OCD-AR		NTY, NM
Notice of Intent     Acidize     Decence     Production (Start/Resume)     Water Shut-Off     Alter Casing     Practure Treat     Reclamation     Water Shut-Off     Alter Casing     Practure Treat     Reclamation     Well Integrity     Congret Plans     Congret     Congr	12. CHECK API	PROPRIATE BOX(ES) TO	D INDICATE NATURE OF	NOTICE, REPORT, OR OT	HER DATA
Noice of initial     Subsequent Report     Casing Repair     Alter Casing     Fracture Treat     Recolamation     Recomplete     Casing Repair     Casing Repair     Casing Repair     Casing Repair     Casing Repair     Casing Repair     Plug and Abandon     Plug and Abandon     Plug Back     Water Disposal     Convert to injection     Plug Back     Plug Back     Water Disposal     Convert to injection     Plug Back     Water Disposal     Convert to injection     Plug Back	TYPE OF SUBMISSION		TYPE	OF ACTION	
Subsequent Report       After Casing Repair       New Construction       Recomplete         Casing Repair       New Construction       Recomplete       Change Plans       Plug and Abandon       Temporarily Abandon       Canage to Original         31       Describe Proposed or Completed Operation (clearly site all perinear details, including estimated starting date? any proposed work and approximate duration thereof.       The proposition of the proposed or Completed Operation (clearly site all perinear matching became to and measured and two vertical depts of any proposed work and approximate duration thereof.         Atter Casing       Convert to Injection       If the proposed or Completed Portonally, give subscription or recompleted in or toomplete horizon toom result in a new interval, a form 1864 statil be filed only after all requirements, including relimination, have been completed, and the operator has determined that the alter is ready for final impection.)         Devon Energy Production Company, LP respectfully requests approval to substitute the previously submitted completing plan IF DRLLING CONDITIONS WARRANT with the following:         Surface csg:       Lead w400 sx Class C w/2% CaCl2 + 2% foaming agent +50scf of nitrogen per bbl of camernt. 11.21b/gal, 1.78 cu ft/sk, 6.81 gal/sk. Tail wi 100 ex Class C w/2% CaCl2. 14.8 bl/gal, 1.34 cu ft/sk, 6.34 gal/sk.         Intermediate csg:       Lead w800 sx Class C w/2% CaCl2 + 2% foaming agent +50 scf of nitrogen per bbl of camernt. 11.21b/gal, 1.78 cu ft/sk, 6.81 gal/sk. Tail wi 100 ex Class C w/2% CaCl2. 14.8 bl/gal, 1.34 cu ft/sk, 6.34 gal/sk.         It It berge cintly that the toregoing is thus and correct	ma Notice of Intent				
Final Abandonment Notice     Change Plans     Convert to Injection     Plug and Abandon     Temporarily Abandon     Plug and Abandon     Composed or Completed Operation (Clearly tate all pertinent details, including estimated rating date of any proposed work and approximate duration thereore.     Attack the Bond under which the work will be performed or provide the Bond No. on file with BLM/BLA. Required subsequent reports shall be filed within 30 days     following completed Operation: If the operation results in a multiple completion or recompleted in a new interval, a provide shall be filed only after all requirements, including reclamation, have been completed. The abandonment Notices shall be filed only after all requirements, including reclamation, have been completed. As the shall be filed within 30 days     submitted camenting plan iF DRILLING CONDITIONS WARRANT with the following:     Surface csg: Lead wi4000 ax Class C w/2% CaCl2. +2% foaming agent +50s cf of nitrogen per bbl of     comment. 11.21b/gal, 1.78 cu ft/sk, 6.81 gal/sk. Tail w/100 ex Class C w/2% CaCl2. 14.81b/gal,     1.34 cu ft/sk, 6.34 gal/sk. Cap w/ 75 sx Class C w/2% CaCl2. +4.81b/gal,     1.34 cu ft/sk, 6.34 gal/sk. Cap w/ 75 sx Class C w/2% CaCl2. +4.81b/gal,     1.34 cu ft/sk, 6.34 gal/sk. Cap w/ 75 sx Class C w/2% CaCl2. +4.81b/gal,     1.34 cu ft/sk, 6.34 gal/sk. Tail w/100 ex Class C w/2% CaCl2. +4.81b/gal,     1.34 cu ft/sk, 6.34 gal/sk. Tail w/100 ex Class C w/2% CaCl2. +4.81b/gal,     1.34 cu ft/sk, 6.34 gal/sk. Tail w/100 ex Class C w/2% CaCl2. +4.81b/gal,     1.34 cu ft/sk, 6.34 gal/sk.	-	-			
Convert to Injection Plug Back Water Disposal Convert on Injection Completed Operation (Clearly table all pertinent details, including estimated matrixing date of any proposed work and approximate duristom thereof. If the proposal is to deepen directionally or complete bornard and measured and true vertical depth of all pertinent matrices and account with DLMPARA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed. and the operator has determined that the site is involved operation for the integration or recompletion or recompletion or recompleted in a new interval, a form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is and provide for final integration. The operation approximate duristice shall be filed one testing has been completed. Trial Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed. Devon Energy Production Company, LP respectfully requests approval to substitute the previously submitted camerning plan IF DRILLING CONDITIONS WARRANT with the following: Surface csg: Lead wi400 sx Class C w/2% CaCl2. 14.8 lb/gal, 1.34 cu f/sk, 6.34 gal/sk Intermediate csg: Lead wi400 sx Class C w/2% CaCl2. 14.8 lb/gal, 1.34 cu f/sk, 6.34 gal/sk Intermediate csg: Lead wi400 sx Class C w/2% CaCl2. 14.8 lb/gal, 1.34 cu f/sk, 6.34 gal/sk Intermediate csg: Lead wi400 sx Class C w/2% CaCl2. 14.8 lb/gal, 1.34 cu f/sk, 6.34 gal/sk Intermediate csg: Lead wi400 sx Class C w/2% CaCl2. 14.8 lb/gal, 1.34 cu f/sk, 6.34 gal/sk Intermediate csg: Lead wi400 sx Class C w/2% CaCl2. 14.8 lb/gal, 1.34 cu f/sk	—		_	<b>U</b>	
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true varical depths of all pertinent markers and zones.       Attack the Bond will be performed or provide the Bond No. on file with BL/MBL. Required subsequent reports stall be filed doing a new interval, a Porm 31604 shall be filed once testing has been completed. Final Abandomment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)         Devon Energy Production Company, LP respectfully requests approval to substitute the previously submitted carementing plan IF DRILLING CONDITIONS WARRANT with the following:         Surface csg: Lead wi400 sx Class C w/2% CaCl2 + 2% foaming agent +50scf of nitrogen per bbl of cement. 11.21b/gal, 1.78 cu ft/sk, 6.81 gal/sk. Tail w/ 100 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Cap w/ 75 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Cap w/ 75 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Cap w/ 75 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Tail w/ 100 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Cap w/ 75 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Cap w/ 75 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Cap w/ 75 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Cap w/ 75 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Cap w/ 75 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk Cap w/ 75 ex Class C w/2% CaCl2. 14.81b/gal, 1.34 cu ft/sk, 6.34 gal/sk         14. Thereby cettity that the foregoing is thue and correct.       Electronic Submission \$\$27674 verified by the BLM Well Information System For DEVON EMERGY PRODUCTION COL CP. sent to the Carlsbad       <				-	PD
of cmt. 11.2 lb/gal, 1.78 cu ff/sk, 6.81 gal/sk Tall w/100 sx Class C w/2%CaCl2. 14.8 lb/gal, 1.34 cu ff/sk, 6.34 gal/sk Cap w/ 75 sx Class C w/2% CaCl2. 14.8 lb/gal, 1.34 cu ft/sk, 6.34 gal/sk 14. I hereby certify that the foregoing is inve and correct. Electronic Submission #27674 verified by the BLM Well information System For DEVON ENERGY PRODUCTION CO L P, sent to the Carisbaad Committed to AFMSS for processing by ARIANDO LOPEZ on 02/10/2004 (04AL0096SE) Name (Printed/Typed) LINDA GUTHRIE Signature (Electronic Submission) Date 02/09/2004 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved By LES BABYAK Conditions of approval, if any, are attached. Approval of this notice does not warrant or ritify that the applicant to conduct operations thereon. URL 11.2 lb/gal, 1.34 cu ft/sk, 6.34 Office Carlsbad URL 12.2 lb/gal, 1.34 cu ft/sk, 6.34 Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or approved by left to any department or approved by left and the applicant to conduct operations thereon.	Attach the Bond under which the w following completion of the involv testing has been completed. Final J determined that the site is ready for Devon Energy Production C submitted cementing plan IF Surface csg: Lead w/400 sx cement. 11.2lb/gal, 1.78 cu 1.34 cu ft/sk, 6.34 gal/sk Ca gal/sk	ork will be performed or provide ed operations. If the operation re Abandonment Notices shall be fil final inspection.) ompany, LP respectfully re DRILLING CONDITIONS Class C w/2% CaCl2 + 2% ft/sk, 6.81 gal/sk. Tall w/ 1 p w/ 75 sx Class C w/2% C	the Bond No. on file with BLM/E sults in a multiple completion or n ied only after all requirements, incl Quests approval to substitut WARRANT with the followir 6 foaming agent +50scf of n 00 sx Class C w/2% CaCl2, CaCl2. 14.8 lb/gal, 1.34 cu f	IA. Required subsequent reports sha ecompletion in a new interval, a Form luding reclamation, have been comple the previously ig: itrogen per bbl of . 14.8lb/gal, tVsk, 6.34	Il be filed within 30 days
Electronic Submission #27674 verified by the BLM Well information System For DEVON ENERGY PRODUCTION CO L P, sent to the Carisbad Committed to AFMSS for processing by ARIANDO LOPEZ on 02/10/2004 (04AL0096SE)         Name(Printed/Typed)       LINDA GUTHRIE         Signature       (Electronic Submission)         Date       02/09/2004         Approved By       LES         BABYAK       TitlePETROLEUM ENGINEER         Date       02/10/2004	of cmt. 11.2 lb/gal, 1.78 cu 1 1.34 cu ft/sk, 6.34 gal/sk Ca	t/sk. 6.81 dal/sk Tail w/10	<b>10 sx Class C w/2%CaCl2.</b> 1	14.8 lb/gal.	
Name (Printed/Typed)       LINDA GUTHRIE       Title       OPERATIONS ASSOCIATE         Signature       (Electronic Submission)       Date       02/09/2004         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By LES BABYAK       TitlePETROLEUM ENGINEER       Date       02/10/20         Conditions of approval, if any, are attached. Approval of this notice does not warrant or entify that the applicant holds legal or equitable title to those rights in the subject lease thich would entitle the applicant to conduct operations thereon.       Office Carlsbad       Office Carlsbad         itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United		Electronic Submission # For DEVON ENERG	27674 verified by the BLM W Y PRODUCTION CO L P, ser	ell information System at to the Carisbad	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By LES BABYAK       TitlePETROLEUM ENGINEER       Date 02/10/20         Conditions of approval, if any, are attached. Approval of this notice does not warrant or entify that the applicant holds legal or equitable title to those rights in the subject lease thich would entitle the applicant to conduct operations thereon.       Office Carlsbad         Office 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United					
THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By LES BABYAK       TitlePETROLEUM ENGINEER       Date 02/10/20         Conditions of approval, if any, are attached. Approval of this notice does not warrant or entify that the applicant holds legal or equitable title to those rights in the subject lease thich would entitle the applicant to conduct operations thereon.       Office Carlsbad         Office 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United	0:				
Approved By LES BABYAK       TitlePETROLEUM ENGINEER       Date 02/10/20         conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease thich would entitle the applicant to conduct operations thereon.       Office Carlsbad         itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United	Signature (Electronic				
Conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease hich would entitle the applicant to conduct operations thereon. It is U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United					
ritity that the applicant holds legal or equitable title to those rights in the subject lease hich would entitle the applicant to conduct operations thereon. Office Carlsbad office Carlsbad					Date 02/10/20
itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	ertify that the applicant holds legal or e which would entitle the applicant to con-	quitable title to those rights in the duct operations thereon.	office Carlsb		·
	itle 18 U.S.C. Section 1001 and Title 4 States any false, fictitious or fraudulen	3 U.S.C. Section 1212, make it a t statements or representations as	crime for any person knowingly a to any matter within its jurisdiction	nd willfully to make to any departments on.	nt or agency of the United

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Form 3160-5 (August 1999)		UNITED STATES	NTERIOR			OMB NO	PPROVED . 1004-0135 ember 30, 2000
	SUNDRY	UREAU OF LAND MANA NOTICES AND REPO	RTS ON WI	ELLS		5. Lease Serial No. NMNM0501759	
đ	Do not use thi abandoned wel	s form for proposals to I. Use form 3160-3 (AP	drill or to re D) for such p	-enter an proposals.		6. If Indian, Allottee or	Tribe Name
	SUBMIT IN TRI	PLICATE - Other instruc	tions on rev	erse side.	· .	7. If Unit or CA/Agree	nent, Name and/or No.
1. Type of Well	Gas Well 🔀 Oth	er: INJECTION				8. Well Name and No. KURLAND 6 FEDE	RAL 2
2. Name of Operator		Contact:	LINDA GUTH E-Mail: linda.g	RIE uthrie@dvn.con	n	9. API Well No. 30-015-2	33238
	ROADWAY SUIT		3b. Phone No Ph: 405.22 Fx: 405.552			10. Field and Pool, or E BURTON FLAT	xploratory
4. Location of Well	(Footage, Sec., T	., R., M., or Survey Description	1)		IAR - 8 2004	11. County or Parish, a	
Sec 6 T21S R	27E Lot 12 300	OFNL 610FWL		• •	,	EDDY COUNTY,	NM
•				OC	D-ARTESI	A.	· · · · · ·
12.	CHECK APPH	ROPRIATE BOX(ES) TO	D INDICATE	NATURE O	F NOTICE, R	EPORT, OR OTHER	DATA
TYPE OF SUE	BMISSION			TYPE	OF ACTION		
Notice of Inte	ent	Acidize	D Dee	pen	Product	tion (Start/Resume)	U Water Shut-Off
<b>—</b> .		Alter Casing		cture Treat		ation	□ Well Integrity
□ Subsequent P	Report	Casing Repair	_	v Construction	Recomp	plete	Drilling Operations
□ Final Abando	onment Notice	Change Plans		g and Abandon	- Here	arily Abandon	Drining Operations
		Convert to Injection	C Plug		□ Water I		ana an an an Araga
Attach the Bond u following complet testing has been o determined that th Devon Energy 3000# BOP, 3 that time:	inder which the wo tion of the involved ompleted. Final Al e site is ready for f Production Cor 000# pipe ram v	ally or recomplete horizontally, rk will be performed or provide operations. If the operation re- bandonment Notices shall be fil inal inspection.) mpany, LP respectfully re w/no hydril until drill out fr m, 5000# blind ram and 5	i the Bond No. o sults in a multip led only after all quests appro om under int	n file with BLM/ le completion or i requirements, inc wal for the foll	BIA. Required su recompletion in a cluding reclamatic owing BOP de	bsequent reports shall be new interval, a Form 3160 n, have been completed, a	iled within 30 days
14. I hereby certify t	hat the foregoing is	true and correct. Electronic Submission # For DEVON ENERG mmitted to AFMSS for pro	28189 verifie Y PRODUCTI cessing by Li	by the BLM W DN CO L P, se NDA ASKWIG	Vell Information ont to the Carisi on 02/23/2004 (	N System bad 04LA0185SE)	·
Name (Printed/Ty	ped) LINDA GU				RATIONS ASS		
Signature	(Electronic S	Submission)		Date 02/23	3/2004		
<u></u>	· ·	THIS SPACE FO	DR FEDER/	L OR STAT	E OFFICE U	SE	
<u>.</u>							1
Approved ByLES	BABYAK			TitlePETRO	LEUM ENGIN	EER	Date 02/25/20
Conditions of approval certify that the applicant	, if any, are attachent holds legal or ear	d. Approval of this notice does uitable title to those rights in the	not warrant or				
which would entitle the	applicant to condu	act operations thereon.	-	Office Carls		<u> </u>	
Title 18 U.S.C. Section States any false, ficture	1001 and Title 43	U.S.C. Section 1212, make it a statements or representations as	crime for any p	erson knowingly	and willfully to m	ake to any department or	agency of the United
			any maner w				·

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	Form 3160-5 (August 1999)		UNITED STATES ARTMENT OF THE II REAU OF LAND MANA	NTERIOR	•		OMB N Expires: No	APPROVED (O. 1004-0135 ovember 30, 2000
	Do no	UNDRY N	OTICES AND REPO	RTS ON V	e-enter an		5. Lease Serial No. NMNM0501759 6. If Indian, Allottee	
•	aband	oned well.	Use form 3160-3 (API	D) for such	proposals.		6. II molan, Allouce	or the Name
	SUBM	IT IN TRIPL	ICATE - Other Instruc	tions on re	verse side.		7. If Unit or CA/Agre	ement, Name and/or No.
	1. Type of Well	ell 🖪 Other		· ·	<u>.</u>		8. Well Name and No. KURLAND 6 FEL	
	2. Name of Operator DEVON ENERGY PI	RODUCTIO			guthrie@dvn.c		9. API Well No. 30-015-	33238
	20 NORTH BROADV OKLAHOMA CITY, C	VAY SUITE DK 73102	1500	36. Phone P Ph: 405.2 Fx: 405.5			10. Field and Pool, or BURTON FLAT	
	4. Location of Well (Foot	age, Sec., T., I	R., M., or Survey Description	)			11. County or Parish,	and State
	Sec 6 T21S R27E Lo	ot 12 3000F	NL 610FWL			R 0 8 2004 	EDDY COUNT	Y, NM
	12. CHE	CK APPRC	PRIATE BOX(ES) TO	) INDICAT	E NATURE	OF NOTICE,	REPORT, OR OTHE	R DATA
	TYPE OF SUBMISS	ION			TYP	E OF ACTION		
			Acidize		epen	Prodi	uction (Start/Resume)	Water Shut-Off
	□ Notice of Intent		Alter Casing	_	acture Treat		mation	Well Integrity
-	Subsequent Report		Casing Repair		w Construction		mplete	Other
	Final Abandonment	Notice	Change Plans		ng and Abando ng Back		orarily Abandon r Disposal	
	testing has been complete determined that the site is Devon Energy Produ with lost circulation a need to change casir string @10770' inste- Clark Bennett was gi 04/01/04 Ran 237 jt contacted as request	d. Final Aban ready for fina ction Comp nd high pre- ng plans. V ad of drilling ven notice a s 7", 25#, P ed.	bany, LP representative ssure zones encoutere 'erbal approval was give g to proposed TD of 11,	ed only after a contacted / d while drill en to set an (400'. 24 ho 0'. 2hrs prio	I requirements, i Armando Lop ng through th additional 7" iurs prior to ru or to cementir	ez w/BLM rega e Atoka and ti , P110H intern unning casing, ng, Clark Benn	tion, have been completed, arding problems he nediate	and the operator has
		· *	· ·					
	14. I hereby certify that the f	Com	Electronic Submission # For DEVON ENERG mitted to AFMSS for pro-	29319 verific Y PRODUC1 cessing by L				
	Name(Printed/Typed)	INDA GUTI			Title OP	ERATIONS AS	SSOCIATE	
	Signature (I	Electronic Sub			Luna	06/2004	· · · · · · · · · · · · · · · · · · ·	
			THIS SPACE FO	R FEDER	AL OR STA	TE OFFICE	USE	
	Approved By ACC	EPTE	D	~	TitlePETR	ABYAK OLEUM ENGI	NEER	Date 04/06/2(
	Conditions of approval, if any, certify that the applicant holds which would entitle the applica	are attached. legal or equita int to conduct	Approval of this notice does ble title to those rights in the operations thereon.	not warrant of subject lease	Office Carl	sbad		
	Title 18 U.S.C. Section 1001 an States any false, fictitious or f	nd Title 43 U.s fraudulent stat	S.C. Section 1212, make it a tements or representations as	crime for any to any matter	person knowing within its jurisdi	ly and willfully to ction.	make to any department or	agency of the United
	** BL	.M REVIS	ED ** BLM REVISED	) ** BLM R	EVISED ** I	BLM REVISE	D ** BLM REVISE	) **

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Form 3160-5 (August 1999)	UNITED STATE DEPARTMENT OF THE BUREAU OF LAND MAN	INTERIOR			OMB N	APPROVED 0. 1004-0135 vember 30, 2000
Do not us	RY NOTICES AND REP( e this form for proposals to well. Use form 3160-3 (Al	o drill or to re	-enter an		6. If Indian, Allottee of	
	TRIPLICATE - Other Instru				7. If Unit or CA/Agre	ement, Name and/or No.
1. Type of Well			• • • • • • • • • • • • • • • • •		8. Well Name and No. KURLAND 6 FED	
Oil Well Gas Well 2. Name of Operator	Other: INJECTION Contact:	LINDA GUTI			9. API Well No.	
DEVON ENERGY PROD	UCTION COLP	E-Mail: linda.g	uthrie@dvn.com		30-015-	33238
3a. Address 20 NORTH BROADWAY OKLAHOMA CITY, OK 7	3102	Ph: 405.22 Fx: 405.552	. (include area of 8.8209 2.1319 REC	-	10. Field and Pool, or BURTON FLAT	Exploratory
4. Location of Well (Footage, S		on)			11. County or Parish,	
Sec 6 T21S R27E Lot 12	3000FNL 610FWL			D 4 2004	EDDY COUNT	, NM
		·		RTESIA	L	·
12. CHECK A	PPROPRIATE BOX(ES) 1	O INDICATE	NATURE O	F NOTICE, R	EPORT, OR OTHE	R DATA
TYPE OF SUBMISSION			TYPE	OF ACTION		
Notice of Intent	C Acidize	D Dee	pen	D Produc	tion (Start/Resume)	U Water Shut-Off
-	Alter Casing		ture Treat	D Reclan		□ Well Integrity
Subsequent Report	Casing Repair		Construction			Drilling Operations
Final Abandonment Notic	Change Plans		and Abandon	Water	rarily Abandon	
determined that the site is ready 02/22/04 Spud 17 1/2" he w/150 sx Class C, slurry 2 #1 tag @300' pump 25 sx #2 tag @300' pump 50 sx #3 tag @300' pump 50 sx #4 tag @300' pump 50 sx #5 tag @300' pump 50 sx #6 tag @300' pump 25 sx #7 tag @272' pump 50 sx #7 tag @272' pump 170 s 03/01/04 TD 12 1/4" hole	ble. TD @ 528'. Ran 12 its 2 w/195 sx Class C, tail w/25 Class C. WOC 2 hrs Class C, WOC 1.5	13 3/8" H40, 4 0 sx Class C. face , J55, 36#, ST surf.	8#, ST&C csg No returns &C csg @248	@505'. Cmt 9'. Cmt lead v	lead v/1200	and the operator has
Name(Printed/Typed) LINDA	Committed to APMSS for pr	GY PRODUCTI ocessing by Li	NDA ASKWIG (	nt to the Carls on 04/29/2004 ( RATIONS ASS	04LA0185SE)	
			0. 2			
Signature (Electro	onic Submission)	·		/2004	<u></u>	
	THIS SPACE F	OR FEDERA	L OR STAT	E OFFICE U	SE	
Approved By ACCEF	PTED		LES BA TitlePETRO	BYAK LEUM ENGIN	EER	Date 04/29/2(
Conditions of approval, if any, are at certify that the applicant holds legal of which would entitle the applicant to of	or equitable title to those rights in the conduct operations thereon.	he subject lease	Office Carlsi			
Title 18 U.S.C. Section 1001 and Tit States any false, fictitious or fraudu	le 43 U.S.C. Section 1212, make it lent statements or representations a	a crime for any p as to any matter w	erson knowingly ithin its jurisdicti	and willfully to n on.	bake to any department or	agency of the United

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## Additional data for EC transaction #30013 that would not fit on the form

## 32. Additional remarks, continued

03/02/04 Run temp survey, TOC @150'. TIH w/1" & tag @225' - pump 85 sx Class C, circ 2 barrels to pit. WOC 18 hrs. 03/28/04 TD 8 3/4" hole @ 10,800'. Circ & cond hole for logs 04/01/04 Ran 237 jts 7", P110, LT&C csg @ 10,770' 04/02/04 Cmt lead w/915 sx Class H. Ran temp survey, TOC @7100'. WOC 21 hrs. 04/06/04 TD 6 1/8" hole @ 11,400'. Ran 18 jts 4 1/2", P110 13.5#, LT&C csg w/liner hanger. Top of liner @10619', btm @11,398'. Cmt w/150 sx Class H. Set pkr, reverse circ 47 sx to pit. 04/10/04 Displace w/KCI Water 04/11/04 Released rig.

orm 3160-5 August 1999)	UNITED STATES		D-ART	ESTA		APPROVED IO. 1004-0135
	EPARTMENT OF THE IN UREAU OF LAND MANA(		J-ANI	ESIA	Expires: No.	ovember 30, 2000
SUNDRY	NOTICES AND REPOR	RTS ON WELLS	<b>an</b>		NMNM0501759	•
abandoned we	is form for proposals to II. Use form 3160-3 (APL	)) for such propos	als.		6. If Indian, Allottee	or Tribe Name
SUBMIT IN TRI	PLICATE - Other instruct	tions on reverse s	ide.		7. If Unit or CA/Agre	ement, Name and/or No.
1. Type of Well Gas Well B Otl	her: INJECTION	· · · · · · · · · · · · · · · · · · ·			8. Well Name and No KURLAND 6 FEI	
2. Name of Operator DEVON ENERGY PRODUCT	Contact:	INDA GUTHRIE E-Mail: linda.guthrie@		·`	9. API Well No.	
BEVON ENERGY PRODUCT		3b. Phone No. (includ			30-015-3	
20 NORTH BROADWAY SUI OKLAHOMA CITY, OK 7310	2	Ph: 405.228.8209 Fx: 405.552.1319	)		BURTON FLAT	
4. Location of Well (Footage, Sec., )			RECE	IVED	11. County or Parish,	•
Sec 6 T21S R27E Lot 12 300	OFNL 610FWL		,IIIN 2	1 2004	EDDY COUNT	<b>Y</b> , NM
	ROPRLATE BOX(ES) TO		OCD-A	HTESIA		
12. CHECK APP	KOPKLATE BOX(ES) TO	INDICATE NAT	······		LPORT, OR OTHE	K DATA
TYPE OF SUBMISSION			TYPE OF	ACTION	· · · · ·	
Notice of Intent	Acidize	Deepen			ion (Start/Resume)	U Water Shut-Off
Subsequent Report	Casing Repair	Fracture Tr     New Consta		Reclama		Well Integrity
				- Ceconit	ACIC	
- Final Abandonment Notice				-		
If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final A	Change Plans Convert to Injection eration (clearly state all pertinent ally or recomplete horizontally, s rk will be performed or provide i operations. If the operation resi bandonment Notices shall be file	Plug and A Plug Back details, including estin five subsurface location the Bond No. on file wi uits in a multiple compl	bandon nated starting s and measu th BLM/BIA etion or reco	Tempor Water D date of any p red and true ve Required sul moletion in a	arily Abandon bisposal roposed work and appro- rtical depths of all perti- bsequent reports shall b- new interval, a Form 31	Changes eximate duration thereof. nent markers and zones. e filed within 30 days 60-4 shall be filed once
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\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

	UNITED STATES PARTMENT OF THE IN UREAU OF LAND MANAG			OMB Expires: N	A APPROVED NO. 1004-0135 lovember 30, 2000
SUNDRY	NOTICES AND REPOR	TS ON WELLS		5. Lease Serial No. NMNM050175	9
Do not use thi abandoned we	is form for proposals to d II. Use form 3160-3 (APD)	irill or to re-enter an ) for such proposals.	ł	6. If Indian, Allottee	or Tribe Name
SUBMIT IN TRI	PLICATE - Other instructi	ons on reverse side.		7. If Unit or CA/Ag	cement, Name and/or N
1. Type of Well Oil Well D Gas Well BOOt				8. Well Name and N KURLAND 6 FE	
2. Name of Operator DEVON ENERGY PRODUCT	ION COLP E-	NDA GUTHRIE Mail: linda.guthrie@dvn.com	1	9. API Well No. 30-015-33238	
3a. Address 20 NORTH BROADWAY SUI OKLAHOMA CITY, OK 73102	TE 1500	3b. Phone No. (include area co Ph: 405.228.8209 Fx: 405.552.4621	de)	10. Field and Pool, o BURTON FLA	
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description)	RECE	IVED	11. County or Parish	, and State
Sec 6 T21S R27E Lot 12 300	DFNL 610FWL		0 2004	EDDY COUNT	Y, NM
12. CHECK APPE	ROPRIATE BOX(ES) TO I		NOTICE, RE	PORT, OR OTHI	ERDATA
TYPE OF SUBMISSION		TYPE	OF ACTION	· · · · · · · · · · · · · · · · · · ·	· · ·
Notice of Intent	Acidize	Deepen		on (Start/Resume)	Water Shut-Of
-	Alter Casing	Fracture Treat	C Reclamat		U Well Integrity
Subsequent Report	Casing Repair	New Construction			Subsurface Com
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back	Water Di	rily Abandon	ng
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P.A. Brower DB, Artesia, NM 65811-0713       OIL CONVENTION AND ACREAGE DIFFECTION       Free Lease - 3 Convention         DISTRICT III       Santa Fe, New Mexico 87504-2088       Fee Lease - 3 Convention         DISTRICT IV       P.O. Box 2088       Santa Fe, New Mexico 87504-2088         DISTRICT IV       WELL LOCATION AND ACREAGE DEDICATION PLAT       I AMENDED REPORT         APF Number       Pool Code       Pool Name         30-015-33238       73200       Burton Flat: Atoka, East (Gas)         Property Code       Property Name       Vell Number         33431       KURLAND "6" FEDERAL       2         OGEND No.       Operator Name       Elevation         6137       DEVON ENERGY PRODUCTION CO., L.P.       3188'         Surface Location       North/South line       Feet from the Stat/West line         12       6       21-S       27-E         Bottom Hole Location If Different From Surface       VEST       ED	DISTRICT I P.0. Box 1980, Hobbs	. NK 86241-19	180	011	Energy,	Mnerals and	Natural 1	W Mexico Resources Department ODI DIVIS	Submit	Revised Februar to Appropriate Dis	trict Of
To part and users r. 11. 12 areas-base       WELL LOCATION AND ACREAGE JUDICATION THAT       DATEDDED ERF         30-015-33238       73200       Projectly Mana       Fool Kas.       Fool Kas.         10-015-33238       73200       Projectly Mana       Real Kas.       East (Gas)         10-015-33238       XURLAND "6" FEDERAL       2         10-015-33238       KURLAND "6" FEDERAL       2         10-015-33238       DEVON ENREGO PRODUCTION CO., L.P.       3188'         12       6       27-6       3000         12       6       27-6       3000         Bottons Bole Location If Different From Surface         Bottons Bole Location If Different From Surface         10       Betton Tormahip       Rage       Lot Ma       Peet from the Mark/Seath Mas       Peet from the East/Feet Mas       Com         Bottons Bole Location If Different From Surface         Inter to the Mark Seath Feet From Surface         Better to the Mark Seath Feet From Surface         Bottons Bole Location If Different From Surface         Definition Inter Committation Code         Bottons Surface Location         No ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS BAVE BEEN CONSOLIDATED <t< th=""><th>P.O. Brewer DR. Arts DISTRICT III</th><th>·</th><th></th><th></th><th></th><th>P.0.</th><th>Box 2</th><th>880</th><th></th><th></th><th></th></t<>	P.O. Brewer DR. Arts DISTRICT III	·				P.0.	Box 2	880			
30-015-33238     73200     Button Flat: Atoka, Bast (Gas)       Pregery Gas     KURLAND "6" FEDERAL     2       06800 No.     DEVON ENERGY PRODUCTION CO., L.P.     Elevision       06800 No.     DEVON ENERGY PRODUCTION CO., L.P.     3188'       06800 No.     Termship     Dage     Let Ma     Peet from the     Bast/feet Han     Cent       12     6     21-5     27-E     Let Ma     Peet from the     Bast/feet Han     Cent       Bottom Hole Location       Ut er las No.       Bottom Hole Location If Different From Surface       Ut er las No.     Section     Termship     Bage     Let Ma     Peet from the     Bast/Feet Han     Cent       Bottom Hole Location If Different From Surface       Ut er las No.     Section     Termship     Bage     Let Ma     Peet from the     Bast/Feet Han     Cent       Bottom Hole Location If Different From Surface       OPERATOR CERTIFICATION       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED       OPERATOR CERTIFICATION       JUT 2     LOT 1       JUT 2     LOT 1       JUT 2     LOT 1       JUT 2     JUT 2		A YB, N.M. 671	504-2088	WELL LO	CATION	AND	ACREA	AGE DEDICATI	ON PLAT	🗆 AMENDEI	REPO
Property Goad     Vell Render       Volt Render     Volt Render       Operator Name       No ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED       OPERATOR CERTIFICATION       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED       OPERATOR CERTIFICATION       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED       OPERATOR CERTIFICATION       INT & LOT 3       ADD TO       ADD TO       OPERATOR CERTIFICATION       INT & LOT 3			38				Bur	ton Flat; Ato		ac)	
6137       DEVON ENERGY PRODUCTION CO., L.P.       3188'         Surface Location         UL or ist No.       Section       Tornahip       Barge       Let Ma       Peet Brom the       Month/Booth.Mine       Peet from the       End       Control         12       6       21-5       27-E       3000       NORTH       610       WEST       ED         Bottom Role Location If Different From Surface         UL or lot No.       Section       Tornahip       Barge       Let Ma       Peet from the       NoRTH       610       WEST       ED         Dedicated Acres       Section       Tornahip       Barge       Let Ma       Peet from the       NoRTH       610       WEST       ED         Dedicated Acres       Section       Tornahip       Barge       Consolidation Code       Order Me.       Section State       ED       Consolidation Code       Cod					KUR	Prop LAND	"6" F	EDERAL		Well Nur	aper
Ut. or let. No.       Section       Township       Barge       Let. Ha       Peet from the 3000       NORTH       Sect. West the 610       Rest/West the ED         Bottom Role Location If Different From Surface         Ut. or lot. No.       Section       Township       Barge       Let. Ha       Peet from the NORTH       Peet from Surface         Ut. or lot. No.       Section       Township       Barge       Let. Ha       Peet from the NORTH       Peet from the Structure       Peet from the Structure       Sect/Feet the Composition         Dedicated Level 308       Joint Composition       Composition       Over Fee.       Composition       Composition         NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIT HAS BEEN APPROVED BY THE DIVISION       OPERATOR CERTIFICATION JUL 30 0704       OPERATOR CERTIFICATION JUL 30 0704         Store ad. LOT 4       LOT 3       LOT 2       LOT 1       JUT 8       OPERATOR CERTIFICATION JUL 30 0704         Store ad. Lot 4       40.32 AC       30.40 AC       Store ad. Store ad. Section at black and store advectad back         Store ad. Lot 4       40.32 AC       40.02 AC       Store ad. Store ad. Section at black and store advectad back         Store ad. Lot 4       40.42 AC       40.02 AC       Store ad.				DEV	ON ENF	-			L.P.		
12     6     21-S     27-E     3000     NORTH     610     WEST     ED       Bottom Hole Location If Different From Surface       Ut or lot No.       Section Tormably       Bedicated Agree     Joint or hull     Consolidation Code     Order No.       Bedicated Agree     Joint or hull     Consolidation Code     Order No.       Bedicated Agree     Joint or hull     Consolidation Code     Order No.       S08     NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNTIT HAS BEEN APPROVED BY THE DIVISION       INT A NON-STANDARD UNTIT HAS BEEN APPROVED BY THE DIVISION       INT A NON-STANDARD UNTIT HAS BEEN APPROVED BY THE DIVISION       INT A NON-STANDARD UNTIT HAS BEEN APPROVED BY THE DIVISION       INT A NON-STANDARD UNTIT HAS BEEN APPROVED BY THE DIVISION       INT A NON-STANDARD UNTIT HAS BEEN APPROVED BY THE DIVISION       INT A NON-STANDARD UNTIT HAS BEEN APPROVED BY THE DIVISION       INT A NON-STANDARD UNTIT ALL INTERESTS HAVE BEEN CONSOLIDATED       INT A NON-STANDARD UNTIT ALL INTERESTS HAVE BEEN CONSOLIDATED       INT A NON-STANDARD UNTIT HAS BEEN APPROVED BY THE DIVISION       INT A NON-STANDARD UNTIT ALL INTERESTS HAVE BEEN CONSOLIDATED       INT A NON-STANDARD UNTIT ALL INTERESTS											

DIS	TR	ICT	I		
P.A.	Bes	1980,	Hobbs,	NH.	68541-1990

DISTRICT II . WW 86211-0719 P.O. Drewer DD. Ar

DISTRICT III 1000 Rio Brunos Rd., Axtee, NM 87410

DISTRICT IV

## State of New Mexico

crais and Natural Resources Dep Energy, MB artment

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lesse - 4 Copies For Lesse - 3 Copies

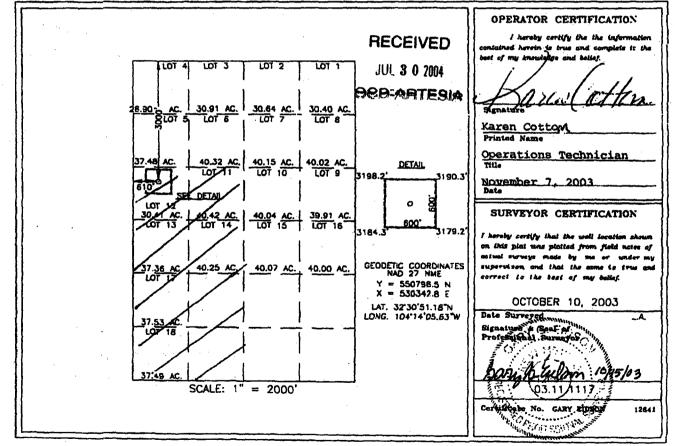
P.O. Box 2088 Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT P.O. BOX 2008, SANTA PE, N.M. 87504-2088 C AMENDED REPORT Pool Name API Number Pool Code

			73	320		URTON FLAT: M	ORROW EAST	(GAS) Vell Num	
Property	Code	}	Froperty Name KURLAND "6" FEDERAL						
OGRID N	0.	1			Operator Nam	le		Elevatio	
6137			DEV	ON ENE	RGY PRODL	JCTION CO.,	L.P.	3188	3'
					Surface Loca	ation			
UL or lot No.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County
12	6	21-S	27-E		3000	NORTH	610	WEST	EDDY
	·	· · ·	Bottom	Hole Loo	ation If Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Bast/West line	County

	· · · · ·		1		1			
Ll.					1			
Dedicated Acres	Joint or 1	Infill Cot	solidation (	Coda Or	der No.			
308					2		· .	

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



OIL CONSERVATION DIVISION

Form 3160-4 UNITED STATES (August 1999) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT										FORM APROVED OMB NO. 1004-0137 EXPIRES: NOVEMBER 30, 2000					
	w	ELL COMP	LETION OR F	RECOMPLET	ON REPO	RT AND I	LOG			5.	5. Lease Serial No. NMNM0501759				
1a. Type of				Dry	Other		ſ			6.1	6. If Indian, Allottee or Tribe Name				
b. Type of 2. Name of	•	Nev Other		ork Over	Deepen l	Plug Ba	ack [	Diff. P	lesvr.,	7.	7. Unit or CA Agreement Name and No.				
	DEVON ENERGY PRODUCTION COMPANY, LP										ease Na		Well No.		
3. Address	3. Address [3a. Phone No. (include area code) 20 North Broadway, Ste 1500 405-228-8209										API Wel		and 6 Fede	rai 2	
	Oklahoma C	City, OK 73	102-8260					ECE	VED			3	0-015-3323		
4. Location At Surfa		ort location (	clearly and in a	accordance w	th Federal	requirem	ents)~			10.	Field a		or Explorate Burton Flat		
				FNL 610 FW	Ľ			AUG 1	B 71114	11.		, R., M.,	on Block ar		
At top p	rod. Interval r	eported belo	w				OF	P-AF	RTES	IA	Sur	vey or A	rea 6 21S 27E		
At total	Depth									12.			sh 13. Sta		
14. Date S	pudded		15. Date T.D	Reached	16. D	ate Comp	leted			17.		dy ons (DR	, RKB, RT,		
	2/22/2004		4/1	3/2004	4/6	/2004	]D&A	🗹 Read	dy to Pro	od.			3188		
18. Total D	epth: MD		1,400'	19. Plug B		MD		1,343			pth Bridg	e Plug			
21. Type E	TVD lectric & Othe		al Logs Run (S	ubmit copy of	each)	TVI			22. Wa	s well c	ored?	- No			nit analysis)
			•	••					Wa	s DST r	un?	_ ⊡ No	> 🗌 Yes (	Subn	nit report)
DLL-GR-ZI					***				Dire	ectional	Survey?	<b>V</b> NO		Subr	nit copy)
23. Casing	and Liner Re	cora (repor	t all strings se		Stane	Cementer					Slum	v Vol.			
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD		epth		of Sks. &	the second s		(Bi		Cement T	op*	Amount Pulled
17 1/2	13 3/8 H40	48	0 505			915 sx Cl C, circ 2 bbl			_						
<u>12 1/4</u> 8 3/4	9 5/8 J55 7 P110	36 26	0	<u>2489</u> 10770			148	1485 sx Cl C, circ 2 b 915 sx Cl H			bbis 0 7100				
6 1/8	4 1/2 P110	13.5	10619	11398			1	50 sx Cl							
24. Tubing	Record					_								r	
Size	Depth	Set (MD)	Packer Depth	(MD) Size	Dep	Depth Set (MD) Packer D		epth (MI	5)	Size	Depth	n Set (MD)	Pac	er Depth (MD)	
25. Produc	Formation		Тор	Bottom		26. Perforation Record Perforated Interval Size			No. Holes Perf. S		f. Sta	tus			
	(A) Atoka		10388	10398		10338-10398			60		Producing		ng		
·	(B) Morrow		10974	11148		-11148	148		198			Shut in			
			ent Squeeze, I	tc.								ł.			
	Depth Interva						Amou	int and T	ype of N	laterial					
	10974-11132	<u> </u>	Acidize w/ 30	00 gals 15%	HCI; Frac	w/ 13,468	Bgals 7	0Q bina	ry foam,	, 61 ton	s CO2, 9	9190 sc	f N2, 52100	# Bat	uxite
				<del> </del>											
					<u> </u>									_	
30 Deceluio		x													
Date First	tion - Interval	Hours	Test		r	-1			ravity			-			
Produced	Test Date	Tested	Production	Oil BBL	Gas MCF	Wate	r BBL		. API	Gas (	Gravity		Productio	n Me	thod
6/29/2004	7/15/2004	24		3	591		0				99	Flowing			
Choke	Tbg. Press.		DA Ha Date	01 001	0.000										
Size 12	Flwg S1 100	Csg. Press 200	24 Hr. Rate	Oil BBL 3	Gas MCF		r BBL	1	Dil Ratio	vven St		Indus	ing Gas	Wall	
28a. Produ	iction - Interva	al B	L		591	<u> </u>	0		97,000	L	r	Toduc	any Gas	WU	
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Wate	r BRI		ravity . API	Gael	Gravity		Productio	n Me	thod
6/11/2004	6/21/2004	24			555		0				96			ving	
Choke	Ibg. Press.	1											10		· · ·
Size	Flwg SI	Csg. Press	24 Hr. Rate		Gas MCF			Gas : C	Dil Ratio	Well St	atus	<u></u>		1.	
See instant			0 555 10					1		Gas v	vell- shut	In			

ons and spaces for additional data on reverse side)

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	ction - Interva													
Date First Produced		Hours Tested	Test Production	Oil BBL	Gas MCF	Water BE	Oil Gravity	Con Cravity		reduction Method				
Floduced	Test Date	Testeu	FIGULEION		Gas MCF	vvalei Dr	CUIT. APT	Gas Gravity		roduction Method				
Choke	1bg. Press.							·································						
Size	Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BE	L Gas : Oil Ratio	Well Status						
28c Produ	I Iction - Interva			l				L	· · · · · · · · · · · · · · · · · · ·					
Date First		Hours	Test		1		Oil Gravity							
Produced	Test Date	Tested	Production	Oil BBL	Gas MCF	Water BE	L Corr. API	Corr. API Gas Gravity Production Method						
Choke	Tbg. Press.													
Size	Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BE	BBL Gas : Oil Ratio Well Status							
			tional data on re	everse side)										
Disposition	of Gas (Sold,	used for fue	el, vented, etc.)			SOLD								
SULD Summary of Porous Zones (Include Aquifers): [31. Formation (Log) Markers														
•			• •											
			and contents the											
	• •		sted, cushion u	sed, time to	ol open, flow	ring and								
snut-in pres	ssures and re	coveries.												
						·····		······		Тор				
For	mation	Тор	Bottom	Descrip	tions, Conte	nts, etc.		Name		Meas. Depth				
							Delaware			2620				
							Bone Spring			4542				
			I				Wolfcamp			8784				
							Penn			9380				
							Strawn Atoka			9969 10214				
							Morrow			10828				
							Lower Morrow			11130				
							Barnett			11274				
Additional r	emarks (inclu	de plugging	procedure).	l										
	IRUPU. NU													
			Pressure test cs											
					, 10992-109	99, 10980-1	0988, 10974-10976	w/ 6 SPF. 198 h	oles					
			000 gals 15% H		1 min CO2	0100 pof N	2 & 52,100 # Bauxit	•						
06/06/04 B	llow down we	from trappe	ed foam air.	nary ioani, c		, 9130 SCI N	2 01 02, 100 # Dauxii	e						
			lean out hole, s	et packer @	10,911'									
06/11/04 T	um weil to te	st.												
	TH w/ perf gu		f Auglie (0 4000	0 40 0000		L . I								
	urn well to te		f Atoka @ 1038	8-10,398. W	/ 6 SPF (60	noles)								
Circle enclo	osed attachm	ents:												
1. Elec	trical/Mechan	ical Logs (1	full set req'd)		2. Geologie	c Report	3. DST Report	4. Directional Se	urvey					
5. Sun	dry Notice for	plugging an	d cement verific	ation	6. Core An	alysis	7. Other		····					
i nereby ce	rury that the fo	pregoing and	attached inform	nation is cor	npiete and c	orrect as de	termined from all av	allable records (	see attache	d instructions)*				
Name (Plea	ase orint)		* linda(	Guthrie		Title		Regulatory S	nocialiet					
	<u> </u>	t in l	7	that .	<u>c</u>		•	O	Poolalist	·····				

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Signature \_\_\_\_\_\_ Date 8/11/2004 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 12[12] make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any false, actitious or fraudulent statements or representations as to any matter within its jurisdiction.

•	KURLAND 6 FED #2	2
	SEC 6, 21S, 27E	Eddy County, New Mexico
LEASE & WELL	(Give Unit, Section,	Township and Range)
OPERATOR	DEVON ENERGY	20 N BROADWAY, SUITE 1500 OKLAHOMA CITY, OK 73102
DRILLING CONTRACT		DRS DRILLING USA, LP

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The Undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH		DEGREES @ [	DEPTH	DEGREES @	DEPTH	DEGREES	CODEPTH	-	
1	228	2	5405	2 3/4	8320				
1	539	1 1/2	5958	3	8447				
3/4	1028	2	6426	2 1/4	8694				
4 1/4	1526	3 1/4	6926	2	8944				
5 3/4	1618	4	7097	3	9193				
5 3/4	1712	3 1/2	7224	3 3/4	9444	<u> </u>			
5 1/4	1807	4	7313	3 1/2	9693	. <u></u>			
4 1/2	1903	3 1/2	7384	3	9948	. <u> </u>	<del></del>		
3 1/2	2096	4	7508	3	10131	. <u> </u>			
2 1/2	2490	5 3/4	7635	3	10649				
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1	<u>3915</u>	4 3/4	7913					ATESIA	
1	4406	4	8007	<u></u>					
2	4905	3	8227				·····		
		Drilling Contrac	tor _	Nabors Drilling	JUSA, LP_				
By Don Nelson-District Drilling Superintendent									
Subscribed and sworn to before me this $\frac{2}{3}$ day of <i>Upul</i> , 2004									
DONNA WESTBROOK Jonna Trestroch									
				MIDLAND	<u> </u>	County	TEXAS		

District I					State of					Form C-		
PO Box 1980,	Hobbs, !	NM 88241-	1980	Energy	, Minerals & N	atural Reso	urces Dep	artment	Revised October 18, 199			
District 11	_			~"	CONCEPT			CION	<b>.</b>	Instructions on b		
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1000 Rio Braz	:os Rd., A	ztec, NM	87410		Santa F	e, inivi d	01202		г <del></del>	AMENDED REPO		
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Kee : 9-10-2004 DMESO-426535117 Susp; 9-30-04

Devon Energy Corporation 20 North Broadway Oklahoma City, Oklahoma 73102-8260

100 SEP 10

PM

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September 9, 2004

NO(101

Mr. Michael Stogner New Mexico OCD 1220 South St. Francis Dr. Santa Fe, NM 87505

Re: Kurland 6 Federal #2 API# 30-015-33238

Dear Mr. Stogner;

Per our earlier conversation, I am attaching a copy of our calculations of the maximum possible horizontal displacement in this well along with the lease map.

Our calculations reveal a maximum displacement of 490.77'. If you assume the worst case scenario the results would still not exceed the distance to the nearest outer boundary line, which in this case would be 610'. Therefore, we do not believe that the displacement "triggers" the requirement in the rules to need to run a directional survey. However, the Artesia office has requested such under 19.15.3.111.B(2). I discussed this with Bryan Arrant and as I mentioned on the phone, he suggested I contact you with my concerns. If it is not necessary, I would obviously prefer to not have to spend those resources on a survey.

Additionally for your information, we have a NSL order #4974 as well as Order DHC-3323 for commingling the Burton Flat-Morrow and Undesignated Alacran Hills-Atoka pools.

Thank you for your assistance in clarifying the interpretation of this requirement for me. Please contact me at 405 228-8209 if I can provide any additional information.

Sincerely,

puttrué

Linda Guthrie Regulatory Specialist

Linda. guthrie p

dun.com

	KURLAND 6 FED #2	
	SEC 6, 21S, 27E	Eddy County, New Mexico
LEASE & WELL	(Give Unit, Section, Township	and Range)
OPERATOR	DEVON ENERGY 20 N BRO	ADWAY, SUITE 1500 OKLAHOMA CITY, OK 73102

. . .

NABORS DRILLING USA, LP

The Undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

1	DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH	<b>.</b>
	Fr	Ft	Ft	. τ	41 stations
	1 3.97 228	2 17.44 5405	2 3/4 4.46 8320		4120.5
	1 5.42 539	1 1/2 14.47 5958	3 6,64 8447	••••••••••••••••••••••••••••••••••••••	
-	314 6-40 1028	2 1633 6426	2 1/4 9.69 8694		
-	4 1/4 36.90 1526	<u>3 1/4 Z&amp;34 6926</u>	2 8.72 8944		
· -	5314 9.21 1618	4 11.92 7097	3 13.03 9193		
· 	5 3/4 9. 4/ 1712	3 1/2 7.75 7224	3 314 16,41 9444	<b>4</b> 111-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	:
•	5 1/4 8.69 1807	4 6-20 7313	3 1/2 /5.20 9693		
· · ·	4 1/2 7.53 1903	3 1/2 4, 3 3 7384	3 13.34 9948	·	·
-	3 1/2 11.782096	4 8.64 7508	3 9.57 10131		
• •	2 1/2 17.18 2490	5 3/4 12-72635	3 27.11 10649		· . · ·
ب	1 1/4 9.07 2906	5 1/4 8,607729	1 1/2 6.96 10915		
-	1 8.72 3406	5 1/2 8.727820	·		· · · · ·
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	2 17.41 4905	3 11.51 8227			_
Cui		- 178.22 4		490.77' cum s	Sisplacement 201 8/19/04
Tot	uls	Drilling Contractor	Nabors Drilling USA, LP		200
•		Ву	Don Nelson-District Drillin		8/19/07
•	,	•		ng Superintendent	
	Subscribed and sworn to t	before me this $\frac{21}{d}$	ay of april,	2004	
		DONNA WESTBROOK	Anna this	the k.	
		Notary Public N	Mary Public		
	My Commission Express	My Comm. Exp. 12-23-2094	MIDLAND	County TOVIC	
				County <u>TEXAS</u>	•

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## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Mark E. Fesmire, P.E. Director Oil Conservation Division

DEVIATION

19.15.3.111

August 25, 2004

Devon Energy Production Company 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102-8260

Attn: Ms. Linda Guthrie or To Whom It may Concern:

RE:

Devon Energy Production Company, L.P. well: The Kurland '6' Federal #2, located in Lot 12, 3000' FNL & 610' FWL of Section 6 in Township 21 South, Range 27 East in Eddy County, New Mexico. API # 30-015-33238

Dear Ms. Linda Guthrie or To Whom It May Concern:

In regards to the above referenced well, a directional survey shall be ran immediately in order to establish the bottom hole location and the producing interval per New Mexico Oil Conservation Division Rule 111.B.(2). The cumulative displacement of 490.77' supports the requirement of this rule although a NSL # 4974 for said well has been issued. I have provided a part of NMOCD Rule 111 that pertains to this matter for your reference.

TESTS AND DIRECTIONAL WELLS: (2) Excessive Deviation. When the deviation averages more than five degrees in any 500-foot interval, the operator shall include the calculations of the maximum possible horizontal displacement of the hole. When the maximum possible horizontal displacement exceeds the distance to the nearest outer boundary line of the appropriate unit, the operator shall run a directional survey to establish the location of the producing interval(s).

Please call if you have any questions regarding this matter,

Bryan G. Arrant PES

Cc: Tim Gum- District Supervisor, Artesia Michael Stogner-Chief Hearing Examiner, Santa Fe Well File