STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATION OF RSC RESOURCES LIMITED PARTNERSHIP FOR APPROVAL OF A NON-STANDARD OIL SPACING AND PRORATION UNIT AND FOR COMPULSORY POOLING, COUNTY, NEW MEXICO.

Case No. 14,099

AFFIDAVIT OF RANDY S. CATE

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Randy S. Cate, being duly sworn upon his oath, deposes and states:

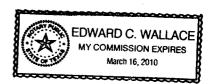
- 1. I am over the age of 18, and have personal knowledge of the matters stated herein.
- 2. I am a petroleum engineer by profession, and am the owner of RSC Resources Limited Partnership ("RSC").
- 3. Exhibit A is a production plat of the Crow Flats area. RSC is targeting the Wolfcamp formation at a depth of approximately 6,800-6,900 feet subsurface. The nearest pool is the Crow Flats-Wolfcamp Pool, 1½ miles to the west of the proposed well. The proposed well will extend the productive limits of the Wolfcamp formation. Oil production has been established down dip structurally in the Cimarex, Bear Bryant 31 Fed. Com. Well 1H (2 miles south of the proposed well). There are new completions in the area, but only two of the wells have produced long enough to have reported any production. They are both approximately two miles from the Lucky Wolf 19 location.
- 4. Exhibit B is a type log from the EOG Sabres 19 Fed. Com. Well No. 1, located in Section 19, Township 16 South, Range 29 East, N.M.P.M. The pay being tested in the proposed well is shaded light blue on the type log and shows the dolomite porosity interval in which the horizontal lateral will be drilled.
- 5. Exhibit C is a structure map on top of the Wolfcamp pay interval. The Wolfcamp dips gently to the southeast. There is no evidence of faulting. Exhibit C also indicates the location of the type log well.
- 6. All of the quarter-quarter sections in the well unit are prospective in the Wolfcamp formation, and RSC anticipates producing reserves from each quarter-quarter section.

Oil Conservation Division Case No.

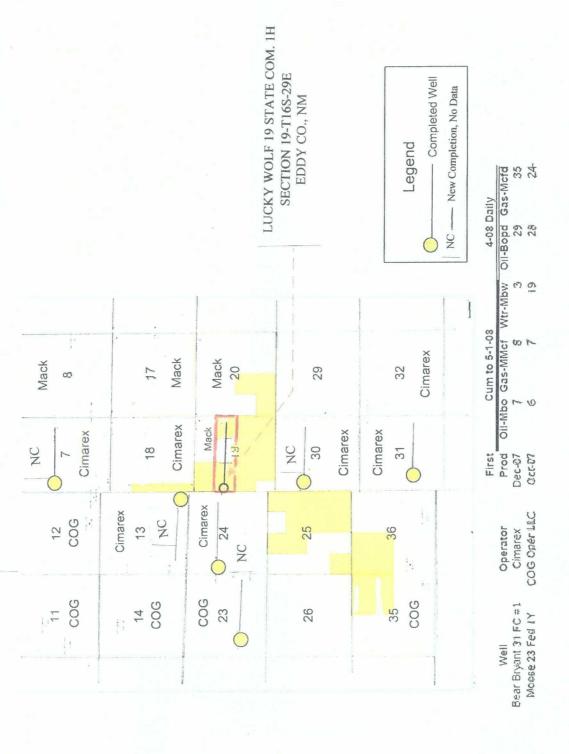
Exhibit No.

- 7. Exhibit D is a directional drilling plan and C-102 spacing unit plat for the well. A horizontal wellbore will test a greater reservoir length, increasing the chances for an economic completion. The entire horizontal lateral will be within the orthodox "producing area."
- 8. RSC Resources Limited Partnership respectfully requests expedited approval of the Order. RSC anticipates the drilling rig will be on location by middle of August, 2008.

		Blate
		Randy S. Cate
Cate.	SUBSCRIBED AND SWORN TO before	te me this 22 day of July, 2008 by Randy S.
		9 01/m
Му Со	ommission Expires:	Notary Public

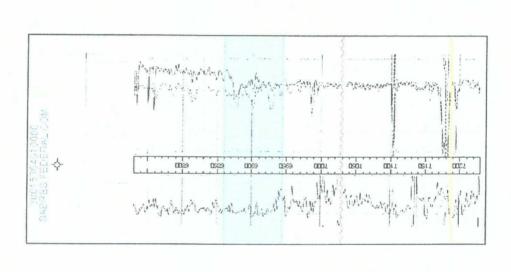


AREA PRODUCTION / ACTIVITY



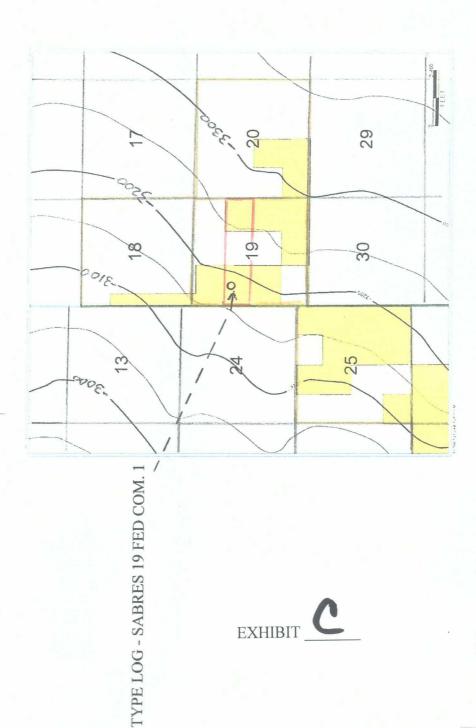


TYPE LOG - SABRES 19 FED COM. 1; D&A 1998





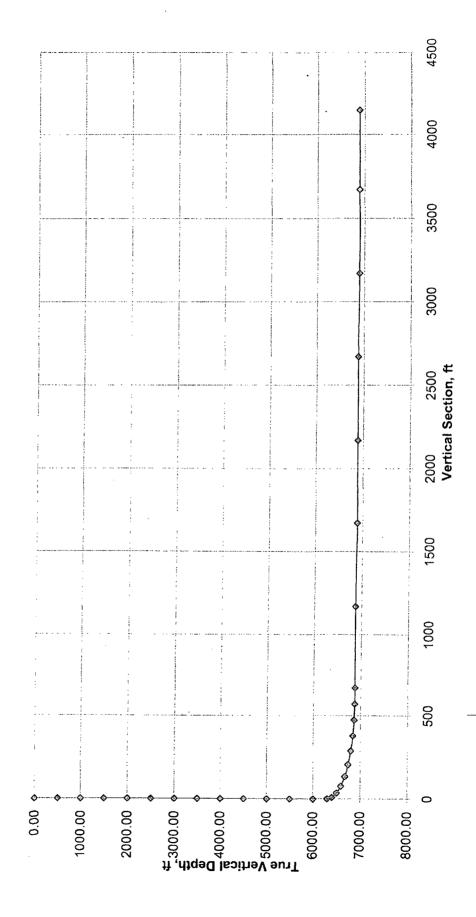
WOLFCAMP PAY SRUCTURE



RSC Resources ,L.P.
LUCKY WOLF 19 STATE COM. 1H
SECTION 19-T16S-29E
EDDY CO., NM

WELL PLAN

Sec 19 Twn 16S R 29E Vertical Section vs TVD





RSC Resources J. P.
LUCKY WOLF 19 STATE COM. 1H
SECTION 19-T16S-29E
EDDY CO., NM

LUCKY WOLF 19 STATE COM. 1H SECTION 19-T16S-29E EDDY COUNTY, NM

